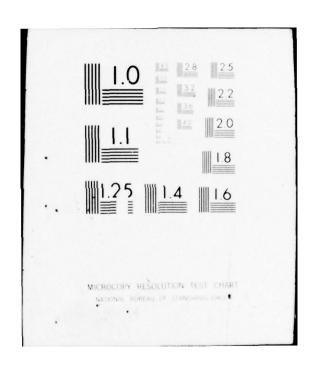
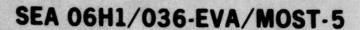
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# NAVSEA OCEAN ENVIRONMENTAL ACOUSTIC DATA BANK

-NAVDAB-

IN SUPPORT OF
MOBILE SONAR TECHNOLOGY DEVELOPMENT

**VOLUME 4** 

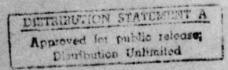


NAVAL SEA SYSTEMS COMMAND DEPARTMENT OF THE NAVY WASHINGTON, D.C. 20362

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## NAVSEA OCEAN ENVIRONMENTAL ACOUSTIC DATA BANK

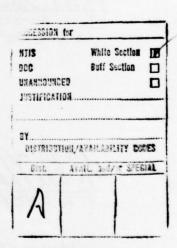
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MOBILE SONAR TECHNOLOGY DEVELOPMENT

**VOLUME 4** 





NAVAL SEA SYSTEMS COMMAND DEPARTMENT OF THE NAVY WASHINGTON, D.C. 20362

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#### ADMINISTRATIVE STATEMENT

The NAVSEA Ocean Environmental Acoustic Data Bank (NAVDAB) is a joint effort of the Naval Undersea Center (NUC), the Naval Underwater Systems Center (NUSC), the Naval Research Laboratory (NRL), and the Naval Oceanographic Office (NAVOCEANO), under the sponsorship of the Sonar Technology Office of the Naval Sea Systems Command (Task Area SF 52 552 601). Each of these organizations is represented in the NAVDAB Steering Group. The Steering Group has the responsibility for development of the data bank, which has been installed at NUC/San Diego, California, NUSC/New London, Connecticut, and NAVOCEANO/ Washington, D.C.

The NAVDAB Steering Group is grateful to G. F. Anderson of Computer Sciences Corporation and G. E. Miller of Arthur D. Little, Inc., for their assistance on this project.

Released by:

NAVDAB Chairman

Sponsoring Authority:

NAVSEA

U.P. Francisc

NAVSEA

Steering Group

R. H. Ferris (NRL

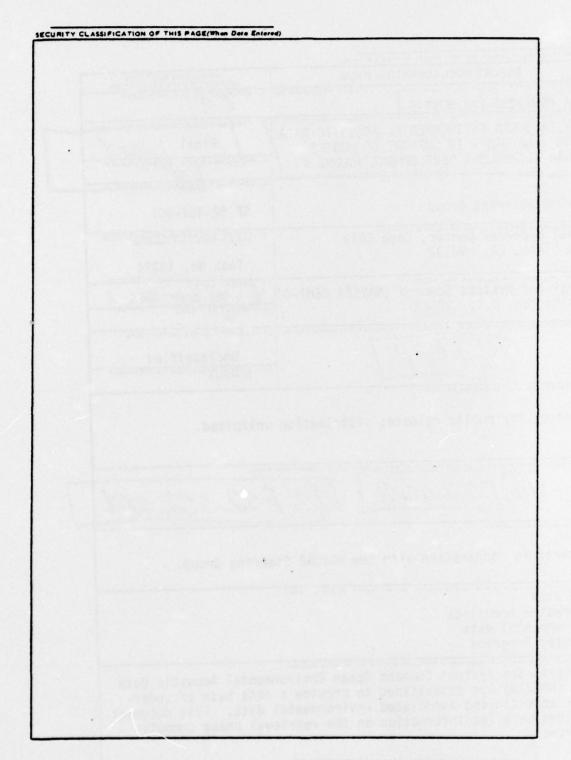
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### DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20362

#### FOREWORD

The Naval Sea Systems Command Ocean Environmental Acoustic Data Bank (NAVDAB) was established to provide a data base for the development and validation of environmental acoustic models for mobile sonar application. NAVDAB is unique in that it is primarily for environmental and acoustic data taken concurrently and it is the only data bank of this type operated for mobile sonar application.

A set of five reports have been prepared to describe how NAVDAB works and how to use it. This is volume 4 of the set. The individual reports cover the following topics:

Volume 1 User's Guide to Retrieval

Volume 2 Input Format Guide

Volume 3 Details of Creation Phase Volume 4 Details of Retrieval Phase

Volume 5 Details of Miscellaneous Support Programs

Governmental and industrial activities desiring to submit or retrieve environmental acoustic data should contact:

Naval Undersea Center Code 3073 San Diego, CA - 92132

Naval Underwater Systems Center Code TALA New London Laboratory New London, CT - 06320

Naval Oceanographic Office Code 3440 Washington, D.C. - 20373

Copies of the five reports can be obtained through the Defense Documentation Center, Defense Supply Agency, Cameron Station, Alexandria, VA - 22314.

C.D. Smith, Director Sonar Technology Office, 06H1/036

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#### SECTION 1.0

#### INTRODUCTION

The Naval Sea Systems Command (NAVSEA) Ocean Environmental Acoustic Data Bank (NAVDAB) was established to provide a data base for the development and validation of environmental acoustic models for mobile sonar applications. The purpose of this document is to provide details of the computer programs which access the NAVDAB data base and retrieve data from it.

This is Volume 4 of the five-volume set covering the NAVDAB computer program documentation. The individual volumes cover the following topics:

- Volume 1. User's Guide to Retrieval
- Volume 2. Input Format Guide
- Volume 3. Details of Creation Phase
- Volume 4. Details of Retrieval Phase
- Volume 5. Details of Miscellaneous Support Programs

Copies of these documents may be obtained from the Defense Documentation Center.

#### SECTION 2.0

#### DESCRIPTION OF THE DATA BASE

Many factors affect the design of a data base and retrieval system. In the case of NAVDAB a large number and variety of data parameters were considered. To meet this requirement an open-ended tabular format, with variable record length, was selected to accommodate the initial sets of parameters and data and allow for expansion.

Another primary consideration in the data base design was the need for rapid access to all elements of all data. The data base must be suited to a versatile, efficient, random-access, retrieval system. Random-access retrieval techniques dictate, to a great extent, how data are structured on a storage device.

Other requirements of the NAVDAB system include: safeguard of classified information; allowance for operation in either batch or time-sharing mode; ease of updating and maintenance; and use of a universally-accepted computer language, as well as sufficient modularity, for ready adaptation to the different types of computers on which the system may be implemented.

In view of all these considerations, the data organization shown in Figure 2-1 was developed. It is a multilevel, hierarchically-organized, partially circular, linked-list structure, with large-capacity disk for primary storage. Four levels are involved:

- 1. EXPERIMENT The highest level, pertains to the overall program of measurements such as AMOS, FASOR I (Forward Area Sonar Research)
- CRUISE The second level is applicable to natural subsets of an EXPERIMENT, such as individual AMOS cruises or measurements taken within a specified area

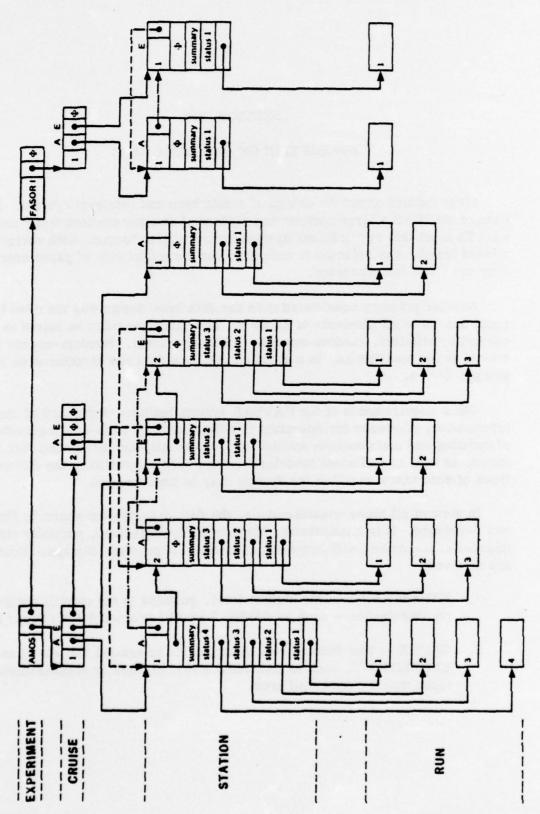


Figure 2-1. NAVDAB Data Base Structure.

- 3. STATION A subdivision of a CRUISE: refers to measurements at or about a specific geographical location, such as FASOR II, Cruise 1, Station 1
- 4. RUN The fourth and lowest level: designates a discrete set of measurements forming an element of a STATION, such as a propagation loss run or a hydrographic cast

Actual numerical data are stored only at the RUN level, which contains no other information. Key catalog information about the various Runs of a Station are stored at the STATION level, which contains, for all the Runs, chronological and geographical data and access category, and lists the acoustic and environmental parameters. The organization of the data is described for each Run, including the Run's storage location on the disk. Locations of associated Stations are also included. There are two types of Stations, acoustic and environmental, but the only environmental data currently approved by the Steering Group are those supporting accepted acoustic data.

Catalog information for the Stations of a Cruise is stored at the CRUISE level, which also contains storage locations of the first acoustic and environmental Stations and the next Cruise of the Experiment. In addition, there is an alphanumeric description of the features of the particular Cruise. These notes may be printed out in the retrieval process as background information.

The EXPERIMENT level contains summary information for the Experiment and directs flow down through the other levels. This flexible pointer structure allows additions or deletions of data without changing the programs that access the data.

#### SECTION 3.0

#### DESCRIPTION OF THE RETRIEVAL PROCESS

The retrieval process consists of two operations, a data selection pass and an application pass. The two-pass technique was selected to allow flexibility in the type of request for data in terms of area, season, frequency, water depth, range, propagation mode, etc.

The data selection pass reads and analyzes the request and, starting at the EXPERIMENT level, examines the summary data stored at each level to determine whether there is justification to continue searching at the lower levels or to go "across" to the next entry at the same level. The examination continues to the STATION level, where the final decision is made as to whether any of the Runs of the Station meet the acoustic data requirements of the potential user.

When a suitable acoustic Run is found, the pointer to the associated environmental Station is followed to determine whether environmental requirements have been met. If both acoustic and environmental criteria have been met, the pointers to data locations are stored in a temporary file for processing by the application pass which reads in the pointers and retrieves the data. A standard set of application programs is planned to output the data in a format selected by the user. The user may also receive the output with conversion to units of his choice.

Flowcharts for the retrieval process are shown in Figure 3-1 through 3-3. Complete computer program listings are contained in Appendix A.

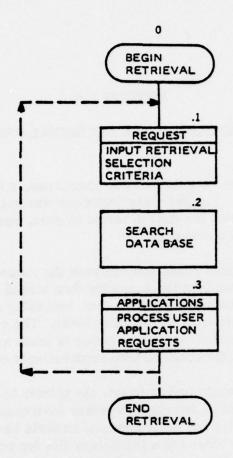


Figure 3-1.

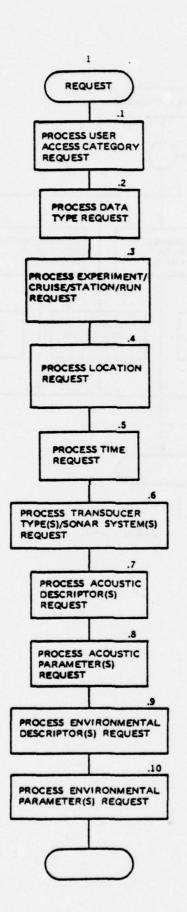
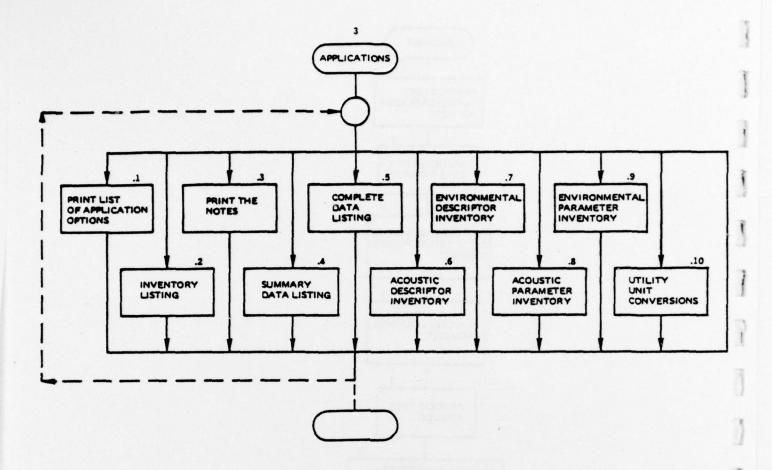


Figure 3-2.



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Figure 3-3.

APPENDIX A

COMPUTER PROGRAM LISTINGS

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VOLUME A-157		24 304 7		2	102	-	9	-	3866
1E	RELOCATABLE	1 9 0 6 7	-		103	-			•
A-131			11 51	: 90:	+01		9	-	3848
1834	RELOCATABLE	16 050 7	-	112:38	105	-			1890

#### CALLED ROUTINES

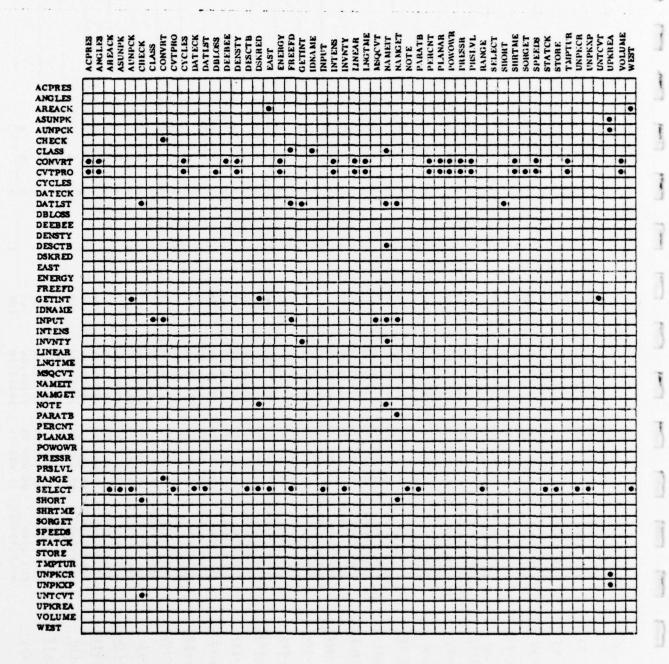


Figure A-1. Retrieval Program Cross-Reference Map.

	SUBROUTINE ACPRESTYALUE, UNICOE, UNITS)
	TABLE OF ACPRES MEASURE CONVERSION FACTORS.
	INTEGER ENTRY(3,3), UNITS(4), UNICOR
**	FACTORS ARE DOUBLE PRECISION.
•	
10.	COORTE PRECISION TACE
	PUT UNIT CODES INTO ENTRY.
	DATA (ENTRY 11,11,101,01,19,50/
	PUT IN ALPHA UNITS.
·••	DATA ((ENTRY(1,J),1=2.
	· PASCALT, 18 ', MICRO ', PAS '/
30.	ENTER INTERNAL UNITS.
22.	UNITS(3)=-MICRO +
23.	UNITSITIALPASCAL
25. 0	IF UNICDE.D. THEN SET CODE TO STANDARD UNITS.
26.	
	SET CONVERSION FACTORS.
31.	DATA (FACTOR(11,1=1,3)/ 1.05,1.03,100/
32. 6	TO COME TO IN TABLE. PERSONAL COMMERCE AND ALCO. GIACO MANAGE AND ALCO.
	CODE INTO CUNITS.
35. 6	1
	CODE TABLES CONTOUR TO THE TABLES CONTOUR TO
36.	IFTICODE.NE.ENTRYTT, 111 GO TO 2
29.	IF (UNICOE.GE.3) VALUE-VALUE-FACTOR(I)
: :	DO 1 Jel.2
42.	UNITS(3)=ENTRY(J+1,1)
	-
	AT THIS POINT, CONVERSION IS COMPLETE,
46. 6	
1	KETURN
	ELSE. CHECK REST OF TABLE.
	2 CONTINUE
52.	IF CODE NOT FOUND, RETURN BITH "UNITS ERROR" IN "UNITS".
54.	

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	 4	•	3
			1
			1
			7
			1
			7
			3
			7
TABLE			2
3 1 2 3 n S 1 2 2 n S 1 2 n S 1 2 2 n S 1 2 2 n S 1 2 2 n S 1 2 2 n S 1 2 2 n S 1 2 2 n S 1 2 2 n S 1 2 2 n S 1 2 2 n S 1 2 2 n S 1 2 2 n S 1 2 n			)
0005116			1
1 1M AG			)
900			]
UNITS(1)UNITS . UNITS(1)UNITS . UNITS(2)ERROR . FAINT 101, ICODE FORMAT(' ERRORUNIT CODE). NOT IN ACQUSTIC PRESSURE TABLE.') REURN END			3
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1)
TI TO TI			3
			3
4 4 6 6 6 6	A-6		1

	INTEGER ENTRY(3,1), UMITS(4), UNICOE
:	
-	TALIONS ARE DOUBLE PARLISION.
	DOUBLE PRECISION FACTOR(3)
2.	TOUR CODES INTO ENIMA
	DATA (ENTRY(1,11,1-1,31/37,38,85/
•	
	DATA ((ENTRY((1.1)) 1-2,3) 1-1-33/ - RADIANO, 'S
50.00	SET CANAGES IN FACTORS.
	DATA (FACTOR(11),1=1,21/1.300,.317453291700/
34:	ENTER INTERNAL DEGREE UNITS.
27.	UNITS(4) = · S
29.	IF UNICOE.O. THEN SET CODE TO STANDARD UNITS.
30. 0	16 (1141 Co. 6 o. 01 1141 Co. 17
1	1F C0
	COOK INTO TONIES
37.	- 1
38.	IF (ICODE.NE ENTRY (1) 1) 60 TO Z
40.	
:	00 1 1-12
42.	UNITS CI-ENTRY CO- 1
-	-
• • • • • • • • • • • • • • • • • • • •	Clade and County and
19.	N. DOINE CONCERN IN CONTENTS
	RETURN
49.	ELSE, CHECK REST OF TABLE.
.05	2 COUNT HILLS
	•
53.	IF LUNICOE. GE. 31 VALUE. AT
27	

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SFOR. SA

IN . UNITS.	18 TABLE." 1			
55. UNITS(1) - ENTRY(2,3) 54. UNITS(2) - ENTRY(3,3) 57. RE[URN 59. C IF CODE NOT FOUND, RETURN BITH * UNITS ERROR* IN * UNITS**. 60. UNITS(1) - ENTRY OF *	63. ICI FURNATI: ERRORUNIT CODE ",13," HOT IN ANGLES TABLE." I 61. Return 65. End			

1,119	
	SUBROUTINE AKEACK (MLAT, ELUN, SLAT, #LON, ILAT, FLAT, FLON,)
1	[HPLICIT INTEGEN (A-2)
	IF INLAT .Eq. 0 .AND. SLAT .Eq. 0 .AND.
:	IF (ILAT .LT. SLAT .UR. FLAT .6T. NLAT) KETURM 9
	IF (#ESTINLON, ILON ON.
::	PETURN PLON - FLA - FLON - RELURN - PETURN - PET
	L'NO
*	

1'113¢	4.ASUNPK., ASUNPK
	SLEKOUTINE ASUNPE (STAB'H, TYPE) IPPLICIT INTEGER(A-2)
• • • • •	CONHON /ASTATu/SANO,SANRUN,SAILAT,SAILON,SAIDAT,SAFLAT,SAFLON.
2 - 2	DIMENSION STABFALLI
****	TYPE-FLOLIS, STATION NUMBER, AND NUMBER OF RUMS.  TYPE-FLOLIS, 3. STABFRLI)  SANRUN-FLOLO, 10, STABFRLI)  SANRUN-FLOLO, 10, STABFRLI)
22.22.22.22.22.22.22.22.22.22.22.22.22.	•
22.52.52.52.52.52.52.52.52.52.52.52.52.5	SASTATII)=STABFRIOI
	PNXTAS=STABFR(9)
	PENYS=STABER(10) RETURN END

SELT.L N. AUNPCK . . AUNPCK

COMMON / RUN / PORA, KIL  COMMON / RUN / PORA, KIL  COMMON / RUN / PORA, KIL  SEASTON SEASTON  SEASTON SEASTON  COMMON / CPV / NCON, CON  DIMENSION ICON(4,30), 19  EQUIVALENCE (CON), 19, 19  OUNPACK RUNNO  ISUB = ISUB + I  SYSKC = FLD(0,18,9,9FR(I)  DESC = FLD(0,9,9FR(I)  DESC = FLD(0,9,9FR(I)  SYSKC = FL		T. FFNS. RILOW, RIE #. RFLOW, RFEW.	*COD, DTASAC, SYSSAC, SYSACA, STAP, AFTIN,	CR. MAYDIM. MAYNT. MIUNIT. MAYPKD. PKDUNT. NDDIR. MNVEL. VELURT. SALDIR. SALNIT.	SATUNI, SALPRO, SPUUNI, BEATHR, BOTOPH, UPLUNI, BITSIP,	OIR SHLDIR.		(4,30), NPAR, PAR(30,30), NVAR, TVAR(3,30), 045, 501, NDATA, AA, RNG(2,30,50), NATA(1,000)	LANG(2,30,50)	AR(1,11,1PAR(1,1)),		The state of the s	THE REPORT OF THE PARTY OF THE				J.C.											A STATE OF THE PARTY OF THE PAR
	SUBSOUTINE AUNPC, (UFF.	COMMON /RUN /PORA, RIL	* AF ZOW. WAYCOD, DYASRC,	CLAS, DES	SATURI SALTRO SALTRO	REAL		COMMON (CPV /NCON, CON(4,30), NPAR,	DIMENSION ICONI4, 301, IPARI30, 301, IV	EGUIVALENCE (CONII, 1), ICON(1, 11), (P.	REAL CON.PAR.DATA,VALRNG		DIMENSION		I SUB			1508 +1	- FLD 0.4.8FA	. FLD(18,9,8FR(	DESCR . FLD(27,9,8FR!	GALLOS GAGGES SONS TOTAL	UNPACK SISSACI SISPACI SACITY	15UB = 15UB +1	- FLO 0.9.8FR	- FLD(16.9.6FR(1	RCRTYP - FLD(27,9,8FR()	DINALCE ANSACTING

-	
. 25	CALL UPKREA (PURA, HILAT, RI
58.	AFLAT AFLOM AFDAY RFILM BF 20m SF KLISUADD
	C UNPACE STATUS BITS
.19	
62.	1508 × 1500 +1
63.	RSTAT(1) - FLD(3,36,8FR(15U3 ))
	ASTAT(2) . FLD(3,34,8FR(15u0+11)
.59	
	THIS ENDS THE UNPACKING OF DATA INTO COMMON ARON, FROM MINE
	CONTRACTOR SILE OF CATALOGUE CONTRACTOR CONT
.69	C LINPACK MCON, NPAR, NDAYS
70.	
.11.	
72.	
73.	- FLOI 9,9,8FR(15UB)
74.	NAM = FLOTIB.9-18-18-18-18-18-18-18-18-18-18-18-18-18-
.5.	NOATS
77.	C UNPACK NAME CUDES & PROCESS CODES FOR ALL CONSTANTS
78.	
79.	
.00	
. 18	SUB +     SUB +1
.20	150M(1:11 - FLU 0.8.8FR115UB)
83.	8.13.aFR
84.	1:1:
.58	1F (J .6T. NCO'1) 60 TO 33
. 98	ICOMILIAL # FLUITS SLOF RITSUBIL
47.	CON(4,1)
	20
.00	STATEMENT AND STATEMENTS
	101
92.	DO 43 1-1. NCON
93.	15ub = 15ub +1
. + 6	CON(3.1) = 6FK(15UB)
95.	40 CONTINUE
.96	
97.	UNPACK DATA FOR ALL PARAMETERS
	1 10 10 10 10 10 10 1 1 1 1 1 1 1 1 1 1
.00	00 60 141 NPAR
102.	CONPACK FOR PARAMETER(1)
03.	
.40	
. 50	
.36.	. FLD! 9,8,8FR!!
./0	IPARI4,11 = FLOIIT,10,4FR(1508)
. 90	The second second second second
.60	C UMPACK ALL VALUES FOR PANAMETER(I)

....

Parent .

1

::	1+ nos1 = nos1
	SO CONTINUE
::	60 CONTINUE
120.	55 TF (NVAR . Es. D) 60 TO 101
121.	DO 7D 1-1 NYAR.Z
122.	
123.	
125.	ייייי פייונים
126.	IF 12 GT. NVART 46 TO 70
127.	IVAR(1.3) - FLD(18.8-6FR(15UB))
128.	[VAR. 13. J] = FLO. 24.10. UFR. 150 B. 1
129.	70 CONTINUE
132.	00 75 Int. NOATS. 2
	1 20.8 + 120.8 +
134.	NKOWS (I) - FLOCO. 10. BFK (ISUB.)
135.	7
134.	IF 1.1 .GT. NO.151 GO TO 75
-	NROPESCA - FLOTIO 10 - FRISUDE
	•
140.	C HOVE MAY L MIN VALUES FOR ALL DAYS SETS
:	
142.	DO 100 K-1.NDATS
-43.	<b>J</b>
146.	Do 00 1-1-2
147.	_
- 48.	
148.	80 CONTINUE
	JINIANO OF
162.	
183.	100 CONTINUE
	101 1010 0 101 1010
157.	
-88	C DONE 1
	Nonland

VALUE, MAME, UMITS)	LE IF THE NAME CODE "NAME"	THEN THE ACCOUNTS PARAMETER ON ENG PARAMETER VAL MENUEST. IF IT HAS, IT CONVERTS THE VALUE	DEST	F NOT. IT DOES NOT CHANGE THE VALUE OF "VALUE"	X-X)		TO AN ADMINISTRATION OF THE PROPERTY OF THE PR	**************************************	50	- 1	C) 60 TO 10	E. MANE) 60 TO 7		MENTAL.	60 10 30		E. NAMET GO TO 20		, MAME, TEMP, UNITS)	
SUBROUTINE CHECK LYALUE	CHECK CHECKS TO SE	ON THE RETRIEVAL "	IVALUE TO THE	6 PUTS THE NAME OF	INPLICIT INTEGER (A-Z)	INCLUDE RETHEVILIST	REAL VALUE	DIMENSION UNITSIZE	CHECK ACOUSTICS		DO 7 1-1, NACPAR	TEMP ACPARS(4.1)	40 TO 30	CHECK ENVIRONMENTAL	10 IF INEMPAR .Eq. 51 60	1EMP -6 00 20 1-1 NENPAR	TENP ENPARSIALL	60 TO 30	30 CALL CONVRT IVALUE, NAME	

	SUBROUTINE CLASS (NOSEX.SEX.NASK, RGUEST, TWARE, THBR.FIRST, BACKUP.
1	STORES OF STORE STATE OF THE PARTY OF THE STATE OF STATE
	ITY LEVELS.
	PARAMETER UNIT 9 12
	IMPLICIT INTEGER (A-2)
	AEAL BORDS (10)
-	ILEVELSIAL RESECTION RESIDENCE TO CHARGE STATE MASKED.
	PATA A/00040505050505050505050505050505050507777777
	14LL/077777777777, ALLI/07777777400/, MUMCK/.FALSE./,
	C DACKING UP. BRANCH TO APPROPRIATE QUESTION
20.	IF (ELSREG) 60 TO 220
1	CLASSIFIED DATA REQUEST QUESTION
•	
-	FORMAT (3-43)
	FLO (O.4.m) = FLO (O.4.AMSMER)
	IF (B.EG. ' '.OR.B.EG.' W') 60 TO 7
	ERROR
	#RITE 16.6)
	6 FORMAT (" *** INVALID RESPONSE TO YES OR NO QUESTION ****)
•••	
	UNCLASSIFIED REQUEST LENTER NAME IF FIRST PASSI
	7 CLSREQ FALSE.
-	
::	PORMAT LOGINER USER NAME.)
.01	TNOR
-	READ (S
	IO FORMAT (SA&)  ERITE (4.11) (TNAME(1).101.5)
	T (3x,546)

.63	7	FORMAT (* *** READ FORMAT ERROR ****)
===		
	I NOSEX	
	Rout	
.54	ROUE	RQUEST(2) • 0
***	ROUE	1
	RETURN	יין יישורים ווין יישורים וויין יישורים וויין וויין יישורים וויין וויין וויין יישורים וויין ו
70.		
	1 1	IF CHURCK SO TO 220
73.		
29.	-	COUNT - COUNT + 1
.5.	-	IF (COUNT.LE.3) 60 TO 30
19:	ZO FORM	FORMAT 100000 USED MAME AND JOB TO BAS ENTERED INCORRECTLY IN TARES
79.		STOP ERROR
.00	1	
	200	
13:		READ (S.SO.ENDEL FREE SE (CHARLE) - 1-1.00)
	SO FORMAT	
::	TINE CO.	BRITE (6,60) (CHAR(I), I-1,60)
	-	DOMANE (CHAR. 10. MANE. F. LAC.)
16	-	IF (FLAGEQ.0) GO TO 120
		0 20
	3	EBBOD
42.		
43.		:
	1 02	COTAIN CONTENT OF USER WANT ON TO SOUT
	,	
.16		
	1 20 KE #1	TO ON I
100.	130 N N N	-
101	1	READ CUNIT. 140. END-180. ERR-2001 THER. (TNAME ([1. 181.5].
102.	٦	1 (C E ( E ( 1 ) , 1 = 1, 2 )
	140 COR	12 (04.6.20)
105.	00	10.000
- 00	150 16	IF (NAME(1)) NE-TNAME(1)) GO TO 160
107.		
	3	ERROR CONDITIONS
.011		
-	160 WRIT	WRITE (6,170)

113.	00 100
116.	FORMAT
	60 TO 18
117. 200	WRITE (4.210) M
	•
120.	60 TO 130
123.	ENTER SECURITY LEVELS
124. 220	
-	
	A A COLOR OF THE C
120.	AQUEST(3) • 0
125,	READ 15.50.END=255.ERF=2101 (CHARIII.EI.90)
130.	CALL FREEFD (CHAR, GORDS, SEX, MOSEX, 10, \$240)
132. C	
133.	ERROR
	BRITE (4.250)
136. 250	-
137.	60 10 220
130.	BACKUP TO LAST QUESTION
141. 255	S IF CANOTANUMER 60 TO 14
144. 240	SECURE . FALSE.
146.	DO 270 1 - 1.MOSE1
147.	
	3.
150.	AORO - ISETANEIL SECURE - TRUE
191	46 - 13 - 17 - 17 - 17 - 17 - 17 - 17 - 17
152.	FLO (817,1, AQUEST (4080)) - 1
154.	FLO (1.1. ADUEST(1)) 4 1
156. 276	
150.	IF ISECURE: 60 TO 320
163.	UNCLASSIFIED ONLY
162. 200	FLD (11,1
. 191	
165. 290	
147. 6	

20.	33C SERILE (4,310) SEXIL)	
.22	60 10 220	
	-	
: :	MRITE (4,330)	
	33C FOGHAT LA FOUR REQUEST 18 FOR ALL SECURITY CLASSIFICATIONS 1)	
139.	2	
	FLD (0.14. RQUEST(3)) - FLD (0.14.ALL)	
182.	C PRINT BEOUESTED LEVELS	
:		
	340 BRITE (4.354) 350 FORMAT (*040UKST IS FOR THE FOLLOWING SECURITY LEVEL(S):"/)	
107.	00 376 1 - 1.99	
	817 - 1616 + 1	
190.	If (FLD(B1T.1.Rquest'1660)). Eq. 0) 60 TO 370	
::	CALL MAREIT (2,1) NAME (MR)	
183.	340 FORMAT (4X,544)	
194.	1	
	יייייייייייייייייייייייייייייייייייייי	
197.	C STORE 1'S IN STATUS BITS	
. 66	FLE (0,34.1EVELS(1)) .	
201.	PLD 10,36,1EVELS(3)) = PLD 10,36,ALL)	
262.		
269.	200 000 000 000	
265.	-	
204.		
26 7.	PRINT REJECTED LEVELS !	
269.	C 1F (RE.FCT(1).Eq.Q.AND.KE.ECT(2).Eq.D.AND.RE.ECT(3).Eq.D) 6010 460	
2111.	(72).NE. U.OR. HASKT 3).NE. 61 GO TO 42	
212,	UPITE (6,410)	
214.	110 FORTACT GOALL REQUESTED LEVELS ARE UNAUTORIZED. ( ) IN.	
215.	60 10 220	
217.	_	
218.	I ACCEPTED. / IX. CONTACT BRANCH MANAGER FOR QUESTIONS REGARDING R	
220.	A SCHOOL LEVELS !	
721.	45'1 = 1'55 00	
222.	117 - 1/36 + 1	
224.	IF (FLD(8)17,1,4K.JECT(WGWD)).Eq.C) 60 10 450	

190 FORFAT (1911012.1.1)  190 FORFAT (1911012.1.1)  190 FORFAT (1911011.6.0)  190 FORFAT (191101.6.0)  190 FORFAT (1910)  190 F
440 FOREAT (19x10112.1.1)  H = 0  C
45C CENTINUE  15 (N. 67.C) WRITE (6,44C)  16 (N. 67.C) WRITE (6,44C)  470 IF (AADIMASKI) ALLI) EGGE)  480 CURHAT (10000 HAVE REQUES)  590 FURHAT (10000 HAVE REQUES)  510 FURHAT (10000 HAVE HAVE)  510 FURHAT (10000 HAVE REQUES)  510 FURHAT (10000 HAVE REQ
15C CENTINUE  15 (N. GT.C.) BRITE (6.44C)  16 (N. GT.C.) BRITE (6.44C)  17 (N. GT.C.) BRITE (6.44C)  18 (N. GT.C.) BRITE (6.44C)  19 (1000) 1
400 1F (AND (MASK 13) ALL 13. EGGES 1 GG 1 GG 1 GG 1 GG 1 GG 1 GG 1 G
C CHECK FOR CLASSIFIED  440 IF (AADIMASKI)) CLASCK) EG  470 IF (PASSC) GO TO 500  470 IF (PASSC) GO TO 500  60 IF (PASSC) GO TO 500  60 COUNT - COUNT + 1
C C CHECK FOR CLASSIFIED  460 IF (AAD(MASKI)).CLASCK).66  470 IF (PASSCA) 60 TO 500  470 FORMAT (10700 MAYE REQUES)  500 FORMAT (10700 MAYE REQUES)  510 FORMAT (10700 MAYE REQUES)  520 FORMA
400 1F (AND(HASK11).CLASCK).EG 470 1F (PASSC) 60 TO 500 490 COUNT - COUNT + 1 490 COUNT - COUNT + 1 60 COUNT - COU
400 1F (AND (NASK1)) .CLASCK) .CC  470 1F (PASSCN) 60 TO 500  400 FORMAT (*CTOU MAYE REQUES)  500 FORMAT (*CTOU MAYE REQUES)  FORMAT (*COUNT + 1  FORMAT (*COUNT + 1  520 FORMAT (*COUNT + 1  520 FORMAT (*COUNT + 1  520 FORMAT (*STOP  520 FORM
1 PRO (MASK13) ALLI) EG. 60 G.
470 IF (FASSCR) 60 TO 500  470 IF (FASSCR) 60 TO 500  400 FURLAI (10000 HAVE REQUES)  500 FURLAI (10000 HAVE REQUES)  500 FURRAI (10000 HAVE REQUES)  510 FURR
400 FORMAT (1000 MAYE REQUES) 400 FORMAT (1000 MAYE REQUES) 500 FORMAT (1000 PASSEDMO MASSEDMO MASSEDM
400 FURHITE 14.1901 HAVE REQUEST 400 FURHITE 10.0700 HAVE REQUEST 400 COUNT - 1 COUNT + 1 COUNT
470 IF (PASSCA) 60 TO 500  480 FURL 16 14901  490 COUNT - COUNT + 1  FORMAT (-GTOU MAYE REQUES)  500 FORMAT (-GTOU MAYE REQUES)  510 FORMAT (-GTOU MAYE REQUES
### ### ##############################
### ### ### #### #####################
### ### ### ### ### ### ### ### ### ##
500 FORMAT (* 6.500)  510 FORMAT (* 6.500)  510 FORMAT (* 6.520)  520 FORMAT (* 6.520)
F (CUMNT + 1   1   1   1   1   1   1   1   1   1
F (COUNTILE 1) 60 TO BIC   F (PRAIL   C.   PASSMOND   LASSMOND   LASSMOND
500 FORMAT 1 100 - PASSMOND MAILS  510 FREAD 1 100 - PASSMOND MAILS  520 FORMAT 1 100 - PASSMOND MAILS  520 FORMAT 1 14 1 60 TO 5 5 6 6 6 6 5 30 END = 2 20 ERP ERPORENTE  C ERROR CONDITION  C ERROR ENTER  500 FORMAT 1 ERROR ENTER  500 FORMAT 1 ERROR ENTER  C ERRO
500 FORMAT ('CE" PASSMOND MATES  510 FORMAT ('E" PASSMOND MATES  510 FORMAT ('ENTER PASSMOND'  510 FORMAT ('ENTER PASSMOND'  510 FORMAT ('PASSMOND'  510 FORMAT ('PASSMOND')  510 FORMAT (
500 FORMAI ('C. ** PASSMOND BAY  510 FRITE (4,520)  520 FORMAI ('FNIEND #220.6R*** S  540 FORMAI ('FNIEND #220.6R*** S  540 FORMAI ('FNIEND #220.6R*** S  540 FORMAI ('FNIEND #220.6R*** S  550 FORMAI ('FNIEND #2
510 FORIAT (* FATER PASSEQUED 5 520 FORIAT (* FASSEQUED 5 520 FORIAT (* * * * * * * * * * * * * * * * * * *
\$10 READ   S. S. D. ERP   S. D.
510 FRITE (6,520) 520 FORMAT ('SNIEN PASSBOND C C ERRAD (5,530,EMD=220,ERRE C C ERRAD (5,530,EMD=220,ERRE C C ERROR CONDITION C ERROR CONDITION C ERROR CONDITION C ERROR CONDITION C ERROR ENTE 6,540) 540 FORMAT ('PASSBOND', 44, 44, 44) 60 TO SIO C C C C C C C ERROR CONDITION C C ERROR ENTE 60 TO SIO C C C C C C C C C C C C C C C C C C C
510 WRITE (+,520)  FORMAT (* ENTER PASSEOND  C
520 FORMAT (* FNTER PASSBORD  READ (5,530, EMD-220, ERR- C  IF (PASSIPASSWO)) GO TO  CALL OVERLY  SAG FORMAT (* PASSWON) *A4.  GO TO SIG  SAG FORMAT (* PASSWON) *A4.  SAG FORMAT (* PASSWON) *A4.  C ERROR ENTE  GO TO SIG  SAG IF (FLD:O, I, MASK(I)) *NE.  C KELL OVERLY  C C C C C C C C C C C C C C C C C C C
E30 FORMAT (141)  C
510 FORMAT (141)  C EMBOR CONDITION  S50 FORMAT (1 PASSMOR) 144.  S50 FORMAT (1 PASSMOR) 144.  C C EMBOR ENTE  C CALL OVERLY  C C CALL OVERLY  C C CALL OVERLY  C C CALL OVERLY  C C C CALL OVERLY  C C C CALL OVERLY  C C C C C C C C C C C C C C C C C C C
C
C ERROR CONDITION C ERROR EASTERNOR ENTE SSG ERRITE (4,560) SSG ERROR ENTE GO TO SIO C CALL OVERLY PASSCE = TRUE: C C CALL OVERLY C SSG IF (FLC(0,1,MASK(1)))·NE. C C CALL OVERLY C SSG IF (FLC(0,1,MASK(1)))·NE. C C CALL OVERLY C SSG IF (FLC(0,1,MASK(1)))·NE. C C C C C C C C C C C C C C C C C C C
C ERROR CONDITION C ERROR CONDITION C ERROR CONDITION C ERROR CONDITION C ERROR ENTE (4,540) PASSED SSG ERRITE (4,560) SSG ERRITE (4,560) SSG ERRITE (4,560) C CALL OVERLY PASSER TRUE. C C C CALL OVERLY PASSER TRUE. C C C C C C C C C C C C C C C C C C C
F (PASSIPASSUD)) GO TO
C ERROR CONDITION  C BRITE 14,54G) FASSED  S40 FGRHAT (* PASSEDOR **44.  S5G FRITE 14,560)  S5G FRITE 14,560)  C FORMAT (* *** ERROR ENTE  G TO TO S10  C CALL OVERLY  PASSE ** TRUE.  C C CALL OVERLY  FASSE ** TRUE.  C C C C C C C C C C C C C C C C C C C
C ERROR CONDITION C BRITE [4,544] F155HD 540 F6RHAT ('PASSHORD 'A4. 550 ERITE [4,560] 550 ERITE [4,560] 550 CALL OVERLY C C C CALL OVERLY PASSCK ", TRUE. C C C C C C C C C C C C C C C C C C C
S40 FCRRAT (' PASSHOR '.44.  S40 FCRRAT (' PASSHOR '.44.  S50 FORMAT (' PASSHOR '.44.  S50 FORMAT (' PASSHOR '.44.  S70 CALL OVERLY  C C C C C C C C C C C C C C C C C C C
S40 FORMAT ('PASSMORD', 44.  S40 FORMAT ('PASSMORD', 44.  S50 FORMAT ('PASSMORD', 44.  S50 FORMAT ('POSSMORD', 44.  S70 CALL OVERLY  C C CALL OVERLY  FASSGE "TRUE.  C C FORMAT ('POSSMORD')  S50 IF (FLC(0,1, HASK(1)) - NE.  S50 NOSEX "   SEX (1) " C  NOSEX "   SEX (1)   " C  NOSEX "   S  NOSEX
540 FORMAT ('PASSMORO 'A6. 540 FORMAT ('PASSMORO 'A6. 550 EFFIF (6.560) 560 FORMAT ('PASSMORO 'A6. 550 CALL OVERLY C C C CALL OVERLY PASSCK ", TRUE. C C C C C C C C C C C C C C C C C C C
540 FGRRAT (' PASSHOR '.44.  550 ERITE (4.540)  550 FORNAT (' 0.0 ERROR ENTE  500 TO 510  C CALL OVERLY  C C CALL OVERLY  FORDATION C C C C C C C C C C C C C C C C C C C
540 FORMAT ('PASSMORD 'A4.  550 EMITE (4.540)  540 TORNAT ('PASSMORD 'A4.  550 CALL OVERLY  C C CALL OVERLY  FASSGE "TRUE.  C C C CALL OVERLY  FASSGE "TRUE.  C C C CALL OVERLY  FASSGE "TRUE.  C C C C C C C C C C C C C C C C C C C
55G ##11E (6,560) 55G ##17E (6,560) 60 TO SIO
55G ERTE (6,560) 56Q FORAT (1 000 ERROR ENTE 57Q CALL OVERLY C C C C C C C C C C C C C C C C C C C
55G KRITE (4,540) 56G FORNAT (************************************
540 FORMAT I * * * * EKROR ENTE 60 TO SIO CALL OVERLY PASSCK * TRUE. C C C C C C C C C C C C C C C C C C C
60 TO SIO  CALL OVERLY  C. CALL OVERLY  C. C. TRUE.  C. C. TRUE.  S80 IF (FLC(0,1, MASKI1)) - ME.  S8 X 1 1) = C.  S9 MOSE X = 0  TORED = 1 734 + 1  BIT = MODI 1 34 + 1  S9 MOSE X = 0  S9 MOSE X = 0  TORED = 1 734 + 1  TORED = 1 7
570 CALL OVERLY  C C C C C C C C C C C C C C C C C C C
570 CALL OVERLY C C C C C C C C C C C C C C C C C C C
570 CALL OVERLY  C C C C C C C C C C C C C C C C C C C
580 IF (FLD(0,1,MASK(1)).WE.  580 IF (FLD(0,1,MASK(1)).WE.  581(1) = C  HETURN  590 HOSEX = 0  00 666 1 = 1,99  FORD = 1/36 + 0  BIT = HOD(1,36)
Seg IF (FLC(0,1,MASK11)1.NE.  SEX11) = C  KETURN  S90 HOSEX = 1  D0 400EX = 0  HORD = 1/36 + i  B1T = MODI1.36 + i  LOCK = 1/36 + i  ACC = 1/3
580 IF (FLC(0,1,HASK(1)))·NE.  580 IF (FLC(0,1,HASK(1)))·NE.  590 MOSEx = 0  60 606 1 = 1,99  700KD = 1/36 + 0  817 = MODIL 36 + 0  10 606 1 = 1,99
590 IF (FLE(0,1,MASK(1)).ME.  SEX(1) = C  RETURN  S90 NGSEX = 1  D0 60C 1 = 1,99  PORD = 1/36 + 1  BIT = MOD(1,36)  LOCKEY
580 IF (FLC(0,1,MASK(1)).NE. NOSEX
590 MOSEX = 1  KETURN  590 MOSEX = 0  00 600 1 = 1,99  FORD = 1/36 + 1  BIT = MODIL 300  1000 1 = 1000
S90 MSELVEN  S90 MOSEX = 0  0.00 & 0.00  more = 1/36 + i  BIT = MODILIBO  IF FLECESTALINASK (WORD)
S90 H05Ex = 0 00 606   = 1,99 FORD = 1/36 + 1 BIT = H0D(1,36)
590 MSELVEN 00 606 1 1,99 700KD = 1/36 + 1 817 - MODIL 36 1
590 NOSEX = 0  00 606 1 = 1,99  NORD = 1/36 + i  BIT = MODITIONS  1066 1 = 1,99
00 606 1 = 1.99 FORE = 1/36 + 1 BIT = MODILIJO 1 FLEGITI, HASK (WORD)
817 - MODIL 36 - 1
HIT FLEGGITSON
IF (FLC(B1T,1,MASK(WORD)
1 7 1950 - 1950
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282. SEX(NOSEX) - I

284. METURN 284. LAS. ENG

	SUPROUTING CONTRACTOR INTO SOUTH TO SOU
	SET UP TABLE TO HAP VANIABLE CODE TO PROPER TABLE NUMBER.
3 6	
:.	DITENSION TABLE (14-) CONTROL
	401 . 60461 . 67712 . 67717 . CAGIA. 02204 . 60401
: :	**************************************
10.	
	00401,00401,00018,02204,000000,03608,
	07712.0:608.03204.03608.
	DATA(TABLE (1), 1873, 1941/60000, 00401, 02204, 60000, 03804, 00000.
.,	1
17.	. 00401,03407,04309,02904,0600,00301,00301,
	,
21.	
22.	UNITSEL 10 - UNITEE
23.	UNITS[2]=:55 ·
24.	UNITS(3) - UNITE(6"
25.	UNITSIAL
24.	
28.	IF (FLDIG.34.VALUE). CG.FLD(0.34.ANULL)) RETURN
29. C	
30.	
32. C	MAP CODES 1-72 AND 131-172 TO CONTINUOUS TABLE POSITIONS 1-144.
33. 6	
34.	INDEX = INDEX
	• "
37. 6	IF INDEX IS OUT OF RANGE. RETURN VALUE.
38. C	
34.	OF CHARLY AND INDEACE 111 GO TO TO
	STAIL STAILS
42.	UNI SS(2) . · ERROR .
43.	RETURN
	PART POOPLET IN STATE OF
-	רארוסראוב דישנר בינא שבינים היין היין היין היין היין היין היין הי
14.	
	THPCD - TABLE ( NOEX)
.64	-
50.	TC0E
	BRANCH 10 CORRECT UNIT-CODE TABLE SUBROUTINE.
83. C	

N.CONVAT..CONVAT

DFOR, SA

CONTRACTOR		
59. ( "PLANAR" TABLE.  61. ("PLANAR" TABLE.  62. ("YOLUME" TABLE.  63. ("YOLUME" TABLE.  63. ("YOLUME" TABLE.  73. ("SHORT TIME" TABLE.  74. ("SHORT TIME" TABLE.  75. ("SHORT TIME" TABLE.  76. ("SHORT TIME" TABLE.  77. ("SHORT TIME" TABLE.  78. ("TEMPERATURE ("ALUE, UNITEDE, UNITS)  81. ("SHORT TIME" TABLE.  77. ("SHORT TIME" TABLE.  78. ("TEMPERATURE ("ALUE, UNITEDE, UNITS)  81. ("SHORT TIME" TABLE.  82. ("TEMPERATURE" TABLE.  83. ("TEMPERATURE" TABLE.  84. ("ANGLES ("ALUE, UNITEDE, UNITS)  85. ("TEMPERATURE" TABLE.  86. ("ANGLES ("ALUE, UNITEDE, UNITS)  87. ("TEMPERATURE" TABLE.  88. ("ANGLES ("ALUE, UNITS)  88. ("ANGLES ("ALUE, UNITS)  88. ("ANGLES ("ALUE, UNITS)  88. ("ANGUERT TABLE.  88. ("	. 75	·LINEAR: TABLE.
5.0. C CALL PLANAR' TABLE.  5.1. C CALL PLANAR' TABLE.  5.2. C CALL PLANAR' TABLE.  5.3. C CALL VOLUME: TABLE.  5.4. C CALL SHATME (VALUE, UNICOE, UNITS)  7.5. C CALL SHATME (VALUE, UNICOE, UNITS)  7.5. C CALL LINGTHE (VALUE, UNICOE, UNITS)  7.5. C CALL SHATME (VALUE, UNICOE, UNITS)  8.1. C CALL LINGTHE (VALUE, UNICOE, UNITS)  8.2. C CALL LINGTHE (VALUE, UNICOE, UNITS)  8.3. RETURN  8.4. C CALL IMPTOR (VALUE, UNICOE, UNITS)  8.5. C CALL LINGTHE (VALUE, UNICOE, UNITS)  8.6. C CALL MAGLES (VALUE, UNICOE, UNITS)  8.7. C CALL MAGLES (VALUE, UNICOE, UNITS)  8.7. C CALL PRESSURE: TABLE.  9. C CALL PRESSURE: TABLE.  10. C CALL PRESSURE: TABLE.	57.	
60. C		L CALL LINGARUE, UNICOE, UNICO
11. C ALL PLANAR (VALUE DINITS)  43. A CALL PLANAR (VALUE DINITS)  44. 3 CALL VOLUME (VALUE DINITS)  45. C SHORT TIME TABLE.  72. C SHORT TIME TABLE.  73. RETURN  74. C CALL SPECOS (VALUE DINITS)  75. C LONG TIME TABLE.  76. C SHORT TIME TABLE.  76. C SHORT TIME TABLE.  77. C CALL INFTRICTOL DINITOE DINITS)  89. C SHORT TIME TABLE.  80. C SHORT TIME TABLE.  81. C SHORT TIME TABLE.  82. C SHORT TIME TABLE.  84. C SHORT TIME TABLE.  85. C SHORT TIME TABLE.  86. C SHORT TIME TABLE.  87. C SHORT TIME TABLE.  88. SHORT TIME TABLE.  88. SHORT TIME TABLE.  88. SHORT TIME TABLE.  89. SHORT TIME TABLE.  80. SHORT TIME TABLE.  80.	.00	
62. C CALL PLANAR (VALUE, UNITS) 64. C 'YOLUNE' TABLE. 65. C 'SHORT TIME' TABLE. 70. C 'SHORT TIME' TABLE. 71. C 'SHORT TIME' TABLE. 72. C (ALL SHRINE (VALUE, UNITS) 73. C (LONG TIME' TABLE. 74. C (ALL SPEEDS (VALUE, UNITS) 75. C (LONG TIME' TABLE. 76. C (ALL SPEEDS (VALUE, UNITS) 77. C (ALL ANGLES (VALUE, UNITS) 77. C (ALL PRESSURE: TABLE. 77. C (ALL PRESSURE: TABLE. 77. C (ALL ANGLES (VALUE, UNITS) 77. C (ANGLES (VALUE, UNITS) 77. C		
65. C 10 NG TIME TABLE.  7. C 10 NG TIME TABLE.  8. C 10 NG TIME TABLE.  9. C		-
15. C . 'YOLUME' TABLE.  16. C . SHORT TIME' TABLE.  17. C . CALL SHEEDSIVALUE, UNICDE, UNITS)  18. C . CALL SPEEDSIVALUE, UNICDE, UNITS)  18. C . TEMPERATURE' TABLE.  19. C . TEMPERATURE' TABLE.  10. C . PRESSURE' TABLE.	; ;	
10.00 C SHORT TIME: TABLE.	.51	
10. C 'SHORT TIME' TABLE.  70. C 'SHORT TIME' TABLE.  71. C 'SHORT TIME' TABLE.  72. C 'LONG TIME' TABLE.  73. A CALL SHRTME(VALUE, UNITOE, UNITS)  74. C 'VELCCITY: TABLE.  75. C 'LONG TIME' TABLE.  81. C CALL SPEEDS (VALUE, UNITCE, UNITS)  82. C 'TEMPERATURE' TABLE.  83. A CALL INGTME (VALUE, UNITCE, UNITS)  84. C 'TEMPERATURE' TABLE.  85. C 'TEMPERATURE' TABLE.  86. C 'TEMPERATURE' TABLE.  87. C 'AMGLE' TABLE.  88. C 'TEMPERATURE' UNITCE, UNITS)  89. C 'PER CENT (VALUE, UNITCE, UNITS)  99. C 'PER SSNIVALUE, UNITCE, UNITS)  99. C 'PER SSNIVALUE, UNITCE, UNITS)  99. C 'PER SSNIVALUE, UNITCE, UNITS)  90. C 'ACOUSTIC PRESSNIVE' TABLE.  100. C 'PER SSNIVALUE, UNITCE, UNITS)  100. C 'PER STNIVALUE, UNITCE, UNITS)  100. C 'PER STNIVALUE, UNITS)  100. C 'PER STNIVALUE, UNITS)		
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71. C 'SHORT TIME' TABLE.  73.		
75. C CALL SHRIME (VALUE, UNICDE, UNITS) 74. RETURN 75. C LONG TIME TABLE. 76. CALL LNGTHE (VALUE, UNICDE, UNITS) 79. RETURN 81. C VELOCITY TABLE. 82. C CALL THPTUR (VALUE, UNICDE, UNITS) 84. C CALL SPEEDS (VALUE, UNICDE, UNITS) 85. C TEMPERATURE TABLE. 86. C TEMPERATURE TABLE. 87. C CALL THPTUR (VALUE, UNICDE, UNITS) 89. C TEMPERATURE TABLE. 80. C TEMPERATURE TABLE. 8	70.	-
73. 4 CALL SHRIME (VALUE, UNITS) 74. 76. 1 LONG TIME TABLE. 77. 6 CALL LINGTHE (VALUE, UNITS) 80. 7 CALL LINGTHE (VALUE, UNITS) 81. 7 CALL THPTURIVALUE, UNITS) 83. 84. 85. 17 CALL THPTURIVALUE, UNITS) 89. 86. 17 CALL THPTURIVALUE, UNITS) 89. 86. 18 CALL ANGLES (VALUE, UNITS) 89. 86. 18 CALL ANGLES (VALUE, UNITS) 89. 8 CALL PERCHIVALUE, UNITOE, UNITS) 80. 8 CALL PERCHIVALUE, UNITS)	72.	
75. C 'LONG TIME' TABLE,  79. C 'LONG TIME' TABLE,  80. C 'VELGCITY' TABLE.  81. C 'VELGCITY' TABLE.  82. C 'CALL LINGTHE (VALUE, UNICDE, UNITS)  84. C 'TEMPERATURE' TABLE.  85. C 'TEMPERATURE' TABLE.  86. C 'ANGLE' TABLE.  91. C 'ANGLE' TABLE.  92. C 'ANGLE' TABLE.  93. RETURN  94. C 'ANGLE' TABLE.  95. C 'PER CENT TABLE.  96. C 'ANGLE' TABLE.  97. C 'ANGLE' TABLE.  98. C 'ANGLE' TABLE.  99. C 'ANGLE' TABLE.  99. C 'ANGLE' TABLE.  90. C 'ANGLE' TABLE.  100. C 'ANGLE' TABLE.  110. C 'ANGLE' TABLE.	73.	
76. C 'LONG TIME' TABLE.  79. C GALL LNGTME (VALUE, UNITOE, UNITS)  81. C 'VELGCITY' TABLE.  83. G (ALL SPEEDS! VALUE, UNITS)  84. C (ALL SPEEDS! VALUE, UNITS)  84. C (ALL SPEEDS! VALUE, UNITS)  84. C (ALL SPEEDS! VALUE, UNITS)  85. C (ARETURN  96. C (ARETURN  97. RETURN  97. C (ALL TMPTUR! YALUE, UNITOE, UNITS)  97. C (ALL PRESSRIVALUE, UNITOE, UNITS)  97. C (ARETURN  97. C (ALL PRESSRIVALUE, UNITOE, UNITS)  97. C (ARETURN  97. C (ARETUR	75.	-
70.  70.  80.  81.  61.  70.  82.  70.  83.  84.  85.  70.  70.  86.  87.  86.  86.  87.  88.  88.  88	76.	
### ### #### #########################		49
81. C 'YELGCITY' TABLE.  81. 6 CALL SPEEDSIVALUE, UNICGE, UNITS)  82. C 'TEMPERATURE' TABLE.  83. C 'TEMPERATURE' TABLE.  84. C 'ANGLE' TABLE.  94. C 'ANGLE' TABLE.  94. C 'PER CENT' TABLE.  94. C 'PER CENT' TABLE.  94. C 'PER CENT' TABLE.  95. C 'PER CENT' TABLE.  96. C 'PER CENT' TABLE.  97. C 'PER CENT' TABLE.  98. C 'PER CENT' TABLE.  98. C 'PER CENT' TABLE.  99. C 'PER CENT' TABLE.  100. C 'PRESSRIVALUE, UNICOE, UNITS)  101. C 'PRESSRIVALUE, UNICOE, UNITS)  102. C 'ACOUSTIC PRESSURE. TABLE.  103. RETURN  110. C 'PER CENT' TABLE.  110. C 'PER CENT' TABLE.  110. C 'PER CENT' TABLE.	79.	
# 52. C		
84. RETURN  85. C TEMPERATURE TABLE.  86. C TEMPERATURE TABLE.  89. C ANGLE TABLE.  91. C ANGLES (VALUE, UNICDE, UNITS)  91. C ANGLES (VALUE, UNICDE, UNITS)  92. C PER CENT: TABLE.  93. RETURN  94. C PER CENT: TABLE.  95. C PER CENT: TABLE.  96. C PER CENT: TABLE.  96. C PER CENT: TABLE.  97. C PER CENT: TABLE.  96. C PER CENT: TABLE.  97. C PER CENT: TABLE.  98. C PER CENT: TABLE.  98. C PER CENT: TABLE.  99. C PER CENT: TABLE.  90. C PRESSRIVALUE, UNICOE, UNITS)  99. C PRESSRIVALUE, UNICOE, UNITS)  90. C ACOUSTIC PRESSRIVALUE, UNICOE, UNITS)  100. C ACOUSTIC PRESSRIVALUE, UNICOE, UNITS)  100. C ACOUSTIC PRESSRIVALUE, UNICOE, UNITS)  100. C ACOUSTIC PRESSRIVALUE, UNICOE, UNITS)  110. C ACOUSTIC PRESSRIVALUE, UNICOE, UNITS)	62.	
85. C 'TEMPERATURE' TABLE.  88. C ALL IMPTURIVALUE, UNITEDE, UNITS)  89. C 'ANGLE' TABLE.  90. C 'ANGLE' TABLE.  91. C 'ANGLE' TABLE.  94. C 'PER CENT' TABLE.  95. C 'PER CENT' TABLE.  96. C 'PER CENT' TABLE.  97. C 'PER CENT' TABLE.  98. C 'PER CENT' TABLE.  99. C 'PER SSURE' TABLE.  100. C 'PRESSURE' TABLE.  101. C 'PRESSURE' TABLE.  102. C 'ACOUSTIC PRESSURE' TABLE.  103. RETURN  104. RETURN  107. RETURN  108. KETURN  110. C 'PRESSURE' TABLE.  109. RETURN  110. C 'PRESSURE' TABLE.	: :	
99. C 'ANGLE' TABLE. 91. C 'ANGLE' TABLE. 92. C 'ANGLE' TABLE. 93. C 'PER CENT' TABLE. 94. C 'PER CENT' TABLE. 94. C 'PER CENT' TABLE. 94. C 'PER CENT' TABLE. 96. C 'PER CENT' TABLE. 100. C 'ACOUSTIC PRESSNIVALUE.UNICOE.UNITS) 100. C 'ACOUSTIC PRESSNIVALUE.UNICOE.UNITS) 110. C 'ACOUSTIC PRESSNIVALUE.UNICOE.UNITS)	86.	
C 'ANGLE' TABLE.  G 'ANGLE' TABLE.  G 'ANGLE' TABLE.  C 'PER CENT' TABLE.  C 'ACOUSTIC PRESSURE. TABLE.	. 10	
C 'ANGLE' TABLE.  RETURN C 'PER CENT' TABLE. C 'PER CENT' TABLE. C 'PER CENT' TABLE. C 'PRESSURE' TABLE. C 'PRESSURE' TABLE. C 'ACOUSTIC PRESSURE' TABLE.	. 68	RETURN
RETURN  C	90.	
8 CALL ANGLESIVALUE.UNICDE.UNITS) C . PER CENT TABLE. C . PRESSURE TABLE. C . PRESSURE TABLE. C . PRESSURE TABLE. C . ACOUSTIC PRESSURE TABLE. C . ACOUSTIC PRESSURE TABLE. C . ACOUSTIC PRESSURE UNICOE.UNITS) RETURN C . ACOUSTIC PRESSURE. C . ACOUSTIC P	92.	
C 'PER CENT' TABLE. C PER CENT' TABLE. C PRESSURE' TABLE. C 'PRESSURE' TABLE. C 'ACOUSTIC PRESSURE' TABLE. C 'ACOUSTIC PRESSURE' TABLE. C 'ACOUSTIC PRESSURE' TABLE. C 'ACOUSTIC PRESSURE' TABLE. C 'FREQUENCY' TABLE.		B CALL ANGLESIVALUE, UNICOE, UNITS! RETURN
C 'PEER CENT' TABLE.  RETURN  C 'PRESSURE' TABLE.  C 'PRESSURE' TABLE.  C 'ACOUSTIC PRESSURE' TABLE.	95.	
P CALL PERCNTIVALUE DUNICOE LUNITS)  C 'PRESSURE' TABLE. C 'PRESSURE' TABLE. C 'ACOUSTIC PRESSURE: TABLE.	96.	
C 'PRESSURE' TABLE. C 'PRESSURE' TABLE. C 'ACOUSTIC PRESSURE: TABLE. C 'ACOUSTIC PRESSURE: TABLE. C 'AFREQUENCY' TABLE. C 'FREQUENCY' TABLE.	98	9 CALL PERCHTIVALUE DINICHE
C ON TRESSURE TABLE.  I CALL PRESSRIVALUE, UNICOE, UNITS)  RETURN  C 'ACOUSTIC PRESSURE, TABLE.  C 'ACOUSTIC PRESSURE, UNITS!  KETURN  C 'FREQUENCY' TABLE.	100.	
2   3   3		*PRESSURE * TABLE .
=	103.	01
	104.	
- 4	166.	
5	167.	:
-	. 60	
•	.00	

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4

		12 CALL CYCLESIVALUE, UNICOE, UNITS) RETURN
116. 13 CALL ENERGY (VALUE, UNICOE, 120. C. POBER: TABLE. 121. C. POBER: TABLE. 122. C. POBER: TABLE. 123. C. PRESSURE LEVEL: TABLE. 124. C. PRESSURE LEVEL: TABLE. 135. C. PRESSURE LEVEL: TABLE. 136. C. PRESSURE LEVEL: TABLE. 137. C. PRESSURE LEVEL: TABLE. 138. C. PRESSURE LEVEL: TABLE. 139. C. PRESSURE LEVEL: TABLE. 130. C. PRESSURE LEVEL: TABLE. 131. C. PRESSURE LEVEL: TABLE. 132. C. PRESSURE LEVEL: TABLE. 134. C. PRESSURE LEVEL: TABLE. 135. C. PRESSURE LEVEL: TABLE. 136. C. PRESSURE LEVEL: TABLE. 147. LO CALL DEBEE (VALUE, UNICOE, UN		
120. C 'POMER' TABLE. 121. C 'IN CALL POMOMRIVALUE, UNICOE. 122. C 'INTENSITY' TABLE. 124. RETURN 129. C 'PRESSUR LEVEL' TABLE. 130. C 'PRESSUR LEVEL' TABLE. 131. C 'PRESSUR LEVEL' TABLE. 132. C 'PRESSUR LEVEL' TABLE. 134. C 'PRESSUR LEVEL' TABLE. 135. C 'PRESSUR LEVEL' TABLE. 136. C 'PRESSUR LEVEL' TABLE. 137. C 'PRESSUR LEVEL' TABLE. 138. C 'PRESSUR LEVEL' TABLE. 139. C 'PRESSUR LEVEL' TABLE. 130. C 'PRESSUR LEVEL' TABLE. 131. C 'PRESSUR LEVEL' TABLE. 132. C 'PRESSUR LEVEL' TABLE. 134. C 'PRESSUR LEVEL' TABLE. 135. C 'PRESSUR LEVEL' TABLE. 136. C 'PRESSUR LEVEL' TABLE. 137. C 'PRESSUR LEVEL' TABLE. 138. C 'PRESSUR LEVEL' TABLE. 139. RETURN 140. C 'PRESSUR LEVEL' TABLE. 140. C 'PRESSUR		=
123. 124. 124. 125. 126. 127. 128. 128. 129. 129. 130. 131. 131. 131. 132. 140. 150. 150. 150. 150. 150. 150. 150. 15	120.	
129. C 'INTENSITY' TABLE. 129. C SCALL INTENSITY' TABLE. 130. C 'PRESSURE LEVEL' TABLE. 131. C 'DENSITY' TABLE. 136. C 'DENSITY' TABLE. 136. C 'DENSITY' TABLE. 137. C 'DENSITY' TABLE. 141. C 'DENSITY' TABLE. 142. C 'DENSITY' TABLE. 144. I UZ FORMATI' ERRORVARIABLE 146. END	22.5	14 CALL PORDERIVALUE, UNICOE, UNITS!
130. C 'PRESSURE LEVEL' TABLE. 130. C 'PRESSURE LEVEL' TABLE. 131. C 'PRESSURE LEVEL' TABLE. 132. C 'PENSTY TABLE. 134. C 'PENSTY TABLE. 136. C 'PENSTY TABLE. 137. C 'PENSTY TABLE. 138. C 'PENSTY TABLE. 141. C 'PERBEE TABLE. 142. C 'PERBEE TABLE. 144. LUZ FORMATI: ERRORVARIABLE 146. LUZ FORMATI: ERRORVARIABLE 146. END	26.	
130. C 'PRESSURE LEVEL' TABLE. 131. C 14 CALL PRSLYLIVALUE, UNICDE, 134. C 'PENSLY TABLE. 136. C 'PENSLY TABLE. 137. C 'PERSE TABLE. 141. C 'PERSE TABLE. 142. C 'PERSE TABLE. 143. IN FORMATI: ERROR-VARIABLE 146. LUZ FORMATI: ERROR-VARIABLE 146. END	128.	IS CALL INTENSIVALUE, UNICO
133. C 16 CALL PASLYLIVALUE, UNICOE, 134. C "DENSITY: TABLE. 135. C "DENSITY: TABLE. 137. C "DEEBEE: TABLE. 141. C "DEEBEE: TABLE. 143. I G CALL DEEBEE (VALUE, UNICOE, 144.) 145. LIOZ FORMATI: ERROR—VARIABLE LIOS. 146. END	130.	
135. C *DENSITY: TABLE. 137. C *CALL DENSTY (VALUE, UNICDE, 143. C *DEEBEE: TABLE. 143. C *DEEBEE: TABLE. 144. 102 FORMATI: ERRORVARIABLE 146. END		=
137. C 'PEEBEE: TABLE. 140. C 'PEEBEE: TABLE. 141. C 'PEEBEE: TABLE. 143. HETURN 144. 102 FORMATI: ERRORVARIABLE 146. END		
140. C 'DEEBEE' TABLE. 143. C 10 CALL DEEBEE (VALUE, UNICDE, 144. 1U2 FORMAT(' ERRORVARIABLE 146. END	39.	17 CALL DENSTYIVALUE, UNICDI
143. C 10 CALL DEEBEE(VALUE, UNICDE, 144. RETURN   145. 102 FORMAT(* ERRORVARIABLE   146. END	• •	
146. LUZ FEREN 146. END END		IS CALL DEEBEEIVALUE, UNICD
	-23	FORMATI'S ERRORVARIABLE

	N.CVTPROCVTPRO
:	SUBHOUTINE CYTPRO
	REAL VAL. VALUE
:	INPLICIT INTEGERAL2
	C PROGRAM TO CONVERT FROM A VALUE IN SPECIFIED UNITS
:	C TO THE APPROPRIATE VALUE IN REQUESTED UNITS.
	C "TABLE" GIVES DIRECTION TO APPROPRIATE TABLES.
::	DATA (TABLE!!). I=1,991/0.   0 ,402,403,504,205,706,
13.	201,20
-	17,19,2014,3019,2017,
	2013,1
. 9 .	DATA ANSWER/'YES
	C ASK FOR INPUT OF NUMBER OF CONVERSIONS TO BE MADE.
.61	
20.	SOI PRINT IDI
	Marine 1791 15 TOURS
23.	NCON-NOCON
24.	
36.	C ASK FOR IMPUT OF VALUE, UNITS FROM, UNITS TO.
27.	
29.	PRINT 193
30.	READIS
32.	C ARE UNITS FROM AND UNITS TO LEGITIMATE?
34.	IF LUFRA GE . 1. AND UFRA LE . 99   60 TO 202
35.	
36.	
38.	PRINT 104, UFRM
.2:	262 IF UTO. GE. 1. AND. UTO. LE. 991 GO TO 204
42.	C ELSE, PRINT ERROR,
	141.00
	203
	C PRINT OF LYE ERRORS IN A ROW. MESSAGE.
	1-NOON-4002
50.	PRINT 104. NCOM
53.	C SEE IF BOTH CODES ARE OF SAME TYPE.
54.	
-	

50 50	יובר בשומיי
205	
205	T-N
202	GO TO 209
205	CONVERT TO INTERNAL UNITS.
	BLEIUFRI
1000	X G
304	KEO TO TO THE STATE OF THE IN-ZOL MOES
,	
	BRANCH TO CORRECT UNIT-CODE TABLE SUBROUTINE.
73. C 'LINEAR' TABLE.	TABLE.
75. C	(SI NI. BOLINI. BUT AVAILABLE
	GO TO 207
	TABLE.
80. C 2 CALL PLA	PLANARIVACUE, UNITUE, UNITS)
60 10	1
	TABLE.
86. 3 CALL VOL	CALL VOLUME (VALUE, UNICUE, UN
J	
89. C SHORT T	SHORT TIME TABLE.
	CALL SHRTHEIVALUE,UNICDE,UNITS)
<b>.</b>	PLONG TIME TABLE.
95. C 5 CALL LNG	CALL LNGTHE (VALUE , UNICOE , UNITS)
	'VELOCITY. TABLE.
P CALL	SPEEDS (VALUE, UNICOE, UNITS)
525.	))
	ITURE' TABLE.
,	TURIVALUE, UNICDE, UNITS)
1	60 T0 207
47	TABLE.
8	CALL ANGLESIVALUE, UNTOBE, UNITS)

1.5.	'PEN CENT' TABLE,
20.	
19.	9 CALL PERCNTIVALUE, UNITS) GO TO 202
120.	C 'PRESSURE' TABLE.
121.	IN CALL PRESSMINALUE, UMICOE, UMITS!
123.	C 'ACOUSTIC PRESSURE' TABLE.
126.	GO TO 207
128.	C *FREQUENCY* TABLE:
	12 CALL CYCLESIVALUE, UNICOE, UNITS!
3.5	
136.	13 CALL ENERGYIVALUE, UNICOE, UNITS!
138.	C . POWER TABLE.
141.	=
44.	C 'INTENSITY' TABLE.
199	IS CALL INTENSIVALUE, UNICOE, UNITS! 60 TO 207
148.	C 'DB LOSSZATIENVATION' TABLE.
150.	16 CALL DBLOSSIYALUE,UMICDE,UMITS! 60 TO 207
	'PRESSURE LEVEL' TABLE:
156.	17 CALL PRSLVL(VALUE,UNICDE,UNITS) GO TO 207
159.	C 'SOURCE LEVEL/TARGET STRENGTH' TABLE.
160.	C 18 CALL SORGETIVALUE, UNITS! GO TO 207
63.	C 'NISCELLANEOUS' TABLE.
665.	19 PRINT 111, UFRM, UTO GO TO 209

172. 23 CALL DENSTYTVALUE, UNIT DE, UNITS 1 173. 60 TO 207 174. 6 SAVE "FROM" UNITS. 175. 6 SAVE "FROM" UNITS. 176. CONVERT FROM INTERNAL UNITS. 180. 6 TO 204 1816. CONVERT FROM INTERNAL UNITS. 180. 6 TO 204 1816. CONVERT FROM INTERNAL UNITS. 180. 6 TO 204 1816. CONVERT FROM INTERNAL UNITS. 180. 6 TO 204 1816. CONVERT FROM INTERNAL UNITS. 180. 6 TO 204 1816. CONVERT FROM INTERNAL UNITS. 180. 6 TO 204 180. 7 TO 204 180.	
C SAVE "FROM" UNITS.  C SAVE "FROM" UNITS.  C COMPERT FROM INTERNAL UNITS.  C COMPERT FROM INTERNAL UNIT.  C C C C C C C C C C C C C C C C C C C	
227 IFIK.EG.1) GO TO 208  C SAVE "FRON' UNITS.  UNIT(1) -UNITS(1)  UNIT(2) -UNITS(1)  KE INT 120 E INTERNAL UNIT  C GONVERT FRON INTERNAL UNITS FRON INTERNATION INTERNAL UNITS FRON INTERNATION INTERNATION INTERNAL INTERNAL UNITS FRON FORMATION INTERNAL UNITS FRON FORMATION INTERNAL	
C CONVERT FROM INTERNAL UNIT  C C CONVERT FROM INTERNAL  C C CONVERT FROM INTERNAL  C C CONVERT FROM INTERNAL  C C C CONVERT FROM INTERNAL  C C C C C C C C C C C C C C C C C C C	
C CONYERT FROM INTERNAL UNIT  C DO AGAIN?  C DO AGAIN.  C DO AG	
C CONYERT FROM INTERNAL UNIT  C UNICDEUTO  KE 10  C DO AGAIN?  C DO AGAIN.  C DO	
C CONYERT FROM INTERNAL UNIT  C UNICDE UTO  K = 1  C DO AGAIN?  C DO AGAIN?  C DO AGAIN?  C DO AGAIN?  C PRINT 129  READIS, 110) RESPNS  IF RESPNS: EQ. ANSER 1 GO TO  RETURN  101 FORMATI: ENTER VALUE: "UNIT  102 FORMATI: ENTER VALUE: "UNIT  103 FORMATI: ERROR "UNITS FRO  104 FORMATI: ERROR "UNITS FRO  105 FORMATI: ERROR "UNITS FRO  106 FORMATI: ERROR "UNITS FRO  107 FORMATI: ERROR "UNITS FRO  108 FORMATI: ERROR "UNITS FRO  109 FORMATI: ERROR "UNITS FRO  100 FORMATI: ERROR "UNITS FRO	
C CONVERT FROM INTERNAL UNITY  C BRITE CONVERSION,  C BRITE CONVERSION,  C BO AGAIN?  C DO AGAIN?  C DO AGAIN?  C PRINT 129  READIS, 110) RESPNS  IF (RESPNS, EQ. ANSEER) GO TO  RETURN  101 FORMATI: ENTER VALUE; "UNITY  102 FORMATI: ENTER VALUE; "UNITY  103 FORMATI: ERROR—"UNITY FRO  104 FORMATI: ERROR—"UNITY FRO  105 FORMATI: ERROR—"UNITY FRO  106 FORMATI: ERROR—"UNITY FRO  107 FORMATI: ERROR—"UNITY FRO  108 FORMATI: ERROR—"UNITY FRO  109 FORMATI: ERROR—"UNITY FRO	
C CONYERT FROM INTERNAL UNIT  K=1  GO TO 204  C BRITE CONVERSION,  208 PRINT 108, VAL, UNIT(1), UNIT  NCON NCON-1  209 CONTINUE  C DO AGAIN?  C PRINT 129  READIS, 110) RESPNS  IF (RESPNS, EQ. ANSAER) GO TO  RETURN (ENTER VALUE, "UNIT  103 FORMATI (ERROR"UNITS FRO  104 FORMATI (ERROR"UNITS FRO  105 FORMATI (ERROR"UNITS FRO  105 FORMATI (ERROR"UNITS FRO  105 FORMATI (ERROR"UNITS FRO  106 FORMATI (ERROR"UNITS FRO  107 FORMATI (ERROR"UNITS FRO  108 FORMATI (ERROR"UNITS FRO  109 FORMATI (ERROR"UNITS FRO  109 FORMATI (ERROR"UNITS FRO  109 FORMATI (ERROR"UNITS FRO  109 FORMATI (ERROR"UNITS FRO  107 FORMATI (ERROR"UNITS FRO  108 FORMATI (ERROR"UNITS FRO  109 FORMATI (ERROR"UNITS FRO  100 FORMATI (ERROR-	
C BRITE CONVERSION,  C BRITE CONVERSION,  C DO AGAIN?  C DO AGAIN?  C PRINT 129  REALS, 110) RESPNS  IF (RESPNS, E4-ANSAER) GO TO  REALS, 110) RESPNS  I (RESPNS, E4-ANSAER) GO TO  REALS, 110) RESPNS  I (A FORMATI ERROR—"UNITS FRO  105 FORMATI HOLD IT! THAT IS  105 FORMATI ERROR—"UNITS FRO  107 FORMATI ERROR—"UNITS FRO  107 FORMATI ERROR—"UNITS FRO  108 FORMATI ERROR—"UNITS FRO  109 FORMATI ERROR—"UNITS FRO  109 FORMATI ERROR—"UNITS FRO  109 FORMATI HOLD IT! THAT IS  109 FORMATI HOLD IT! THAT IS  109 FORMATI HOLD IT! THAT IS	
C BRITE CONVERSION,  C BRITE CONVERSION,  C DO AGAIN?  C DO AGAIN?  C DO AGAIN?  C PRINT 129  READIS.110) RESPNS  IF RESPNS.EQ.ANSAER; GO TO  RETURN  101 FORMATI: ENTER VALUE: "UNI  103 FORMATI: ERROR—"UNIS FRO  104 FORMATI: ERROR—"UNIS FRO  105 FORMATI: ERROR—"UNIS FRO  105 FORMATI: ERROR—"UNIS FRO  106 FORMATI: ERROR—"UNIS FRO  107 FORMATI: ERROR—"UNIS FRO  108 FORMATI: ERROR—"UNIS FRO  109 FORMATI: ERROR—"UNIS FRO  100 FORMATI: ERROR—"UNIS FRO	
C BRITE CONVERSION,  208 FRINT 108, VAL, UNIT(1), UNIT  NCON NCON-1  239 CONTINUE  C DO AGAIN?  C PRINT 129  READ(5,110) RESPNS  IF (RESPNS, E9-ANSHER) GO TO  READ(5,110) RESPNS  IOF FORMAT(* ENTER VALUE; "UNIT(1)  103 FORMAT(* ERROR-"UNITS TON  104 FORMAT(* ERROR-"UNITS TON  105 FORMAT(* ERROR-"UNITS TON  105 FORMAT(* ERROR-"UNITS TON  105 FORMAT(* ERROR-"UNITS TON  106 FORMAT(* ERROR-"UNITS TON  106 FORMAT(* ERROR-"UNITS TON  107 FORMAT(* ERROR-"UNITS TON  108 FORMAT(* ERROR-"UNITS TON  109 FORMAT(* EROR-"UNITS TON  109 FORMAT(* ERROR-"UNITS TON  109 FORMAT(* ERROR-"UNITS TON  109 FORMAT(* ERROR-"UNITS TON  109 FORMAT(* ERROR-"UNITS TON  100	
C BRITE CONVERSION,  208 PRINT 108, VAL, UNIT(1), UNIT  RCONNINUE  C DO AGAIN?  C DO AGAIN?  C PRINT 129  READ(5,110) RESPNS  IF (RESPNS, EQ. ANSAER) GO TO  RETURN  101 FORMAT(*** ENTER VALUE*** UNIT  103 FORMAT(**** FROR*** UNITS FRO  104 FORMAT(***** FROR*** UNITS FRO  105 FORMAT(***** FROR*** UNITS FRO  105 FORMAT(******** UNITS FRO  106 FORMAT(************************************	
209 PRINT 109, VAL, UNIT(11), UNIT  NCON NCON-1  239 CONTINUE  C DO AGAIN?  C PRINT 129  READIS, 110) RESPNS  IF (RESPNS, EQ-ANSAER) GO TO  RETURN  101 FORMATI: ENTER VALUE: "UNI  102 FORMATI: ERROR-"UNITS TOO  104 FORMATI: ERROR-"UNITS TOO  105 FORMATI: ERROR-"UNITS TOO  105 FORMATI: ERROR-"UNITS TOO  105 FORMATI: ERROR-"UNITS TOO  105 FORMATI: ERROR-"UNITS TOO  106 FORMATI: ERROR-"UNITS TOO  107 FORMATI: ERROR-"UNITS TOO  107 FORMATI: ERROR-"UNITS TOO  108 FORMATI: ERROR-"UNITS TOO  109 FORMATI: BOULD YOU LIKE TOO	
208 FRINT 108, VAL, UNIT(11), UNIT  NCON-NCON-1  239 CONTINUE  C DO AGAIN?  C FRINT 129  READIS, 110) RESPNS  IF RESPNS, EQ-ANSAER1 GO TO  READIS, 110) RESPNS  IF RESPNS, EQ-ANSAER1 GO TO  READIS, 110) RESPNS  IOS FORMATI: ENTER VALUE: "UNITS TO  105 FORMATI: ERROR-"UNITS TO  105 FORMATI: ERROR-"UNITS TO  105 FORMATI: ERROR-"UNITS TO  106 FORMATI: ERROR-"UNITS TO  107 FORMATI: ERROR-"UNITS TO  108 FORMATI: ERROR-"UNITS TO  109 FORMATI: BOULD TO	
NCON NCON-1   239 CONTINUE   C   DO AGAIN?   C   C   DO AGAIN?   C   C   C   C   C   C   C   C   C	UNITE(1), UNITS(2)
E SO CONTINUE  C DO AGAIN?  C PRINT 129  READIS, 110) RESPNS  IF RESPNS.EQ-ANSKEN; GO TO  RETURN  101 FORMATI: ENTER VALUE: "UNI  105 FORMATI: ERROR"UNITS TO  106 FORMATI: ERROR"UNITS FRO  107 FORMATI: ERROR"UNITS FRO  107 FORMATI: ERROR"UNITS FRO  108 FORMATI: ERROR"UNITS FRO  109 FORMATI: ERROR"UNITS FRO  109 FORMATI: ERROR"UNITS FRO  109 FORMATI: "BOULD YOU LIKE TO	
C	
C	
FEADIS   129   READIS   FEADIS   FEAD	
READS SEQUENTING TO SERVER SER	
RETURN 101 FORMATI: ENTER NUNBER OF C 102 FORMATI: ENTER VALUE: "UNI 104 FORMATI: ERRORUNITS FRO 105 FORMATI: HOLD 171 THAT IS 107 FORMATI: HOLD 171 THAT IS 108 FORMATI: HOLD 171 THAT IS	
103 FORMATI ENTER VALUE: "UNI 103 FORMATI ERROR-"-UNIS FRO 105 FORMATI ERROR-"-UNIS FRO 106 FORMATI ERROR-"-UNIS FRO 106 FORMATI ERROR-"-UNIS FRO 107 FORMATI ERROR-"-UNIS FRO 107 FORMATI ERROR-"-UNIS FRO 108 FORMATI IN 612.5.1."	
103 FORMATI : ENTER VALUE: "UNI 104 FORMATI : ERROR	CONVERSIONS TO BE MADE.
103 FORMATI: ERRORUNITS FRO 104 FORMATI: ERRORUNITS FRO 105 FORMATI: HOLD 171 THAT IS 104 FORMATI: ERRORUNITS FRO 107 FORMATI: ERRORUNITS FRO 108 FORMATI: H. 612.5.1 H. 244.1 109 FORMATI: BOULD YOU LIKE TO	
164 FORMATI' ERRORUNITS FRO 105 FORMATI' ERRORUNITS TO- 106 FORMATI' ERRORUNITS TO- 107 FORMATI' ERRORUNITS FRO 107 FORMATI' ERRORUNITS FRO 108 FORMATI' BOULD YOU LIKE TO	AND "UNITS TO")
105 FORMATI: ERRORUNITS TO- 106 FORMATI: ERRORUNITS TO- 107 FORMATI: ERRORUNITS FRO 108 FORMATI: BOULD YOU LIKE TO	CODE' 13, " NOT LEGIT TRY AGAIN. ")
106 FORMATI: MOLD 171 THAT IS  ES CAREFULY: YOU HAVE: 13,  107 FORMATI: ERROR	CODE", 13," NOT LEGIT TRY AGAIN.")
107 FORMATI: ERRONUNITS FROM 55 TO" CODE": 13: '-',' YOU 108 FORMATI: MOULD YOU LIKE TO	AS IN A ROAT PLEASE CHEIR CODE
107 FORMATI: ERROR	No. 16FT.
108 FORMATI 612.5.1N .2A4.1	COURTS AND OF SAME INTEREST
109 FORMATIO BOULD YOU LIKE	
TO CORMANIAL	
111 FORMATI' NOTA BENEUNIT	S TO" CODE ",13," NOT./
. CONVERTIBLE TO "UNITS FR	13.77
END	

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:	SUBROUTINE CYCLESIVALUE, UNICDE, UNITS)	
<b>.</b> .	C TABLE OF CYCLES MEASUME CONVERSION FACTORS.	
÷ ;	INTEGER ENTRY (3,3), UMITS (4), UMICOE	•
::	C FACTORS ARE DOUBLE PRECISION.	
•	DOUBLE PRECISION FACTOR(3)	
=	C PUT JULY CODES INTO ENTRY.	
3 4	DATA (ENTRY(1,11,11-1,31/77,70,79/	•
<u>: 4</u>	C PUT IN ALPHA UNITS.	
	DATA ((ENTRY(1,J),1=2,3),J=1,3)/'HERTZ''''''''''''''''''''''''''''''''''''	-
20.	C ENTER INTERNAL UNITS.	-
22.5	UNITS(3)=+HERTZ •	-
24.	C IF UNICDE.D. THEN SET CODE TO STANDARD UNITS.	
24.	01 UNICOE 77	
29.	C SET CONVERSION FACTORS.	•
	DATA (FACTOR(1),1=1,3)/1.000,1.003.6.001/	
::		
34.	CODE INTO OUNITS'	
36.	-	
19.	1 FILODE. ENTRY (1,1) GO TO 2 IF (LODE. 6E.O) VALUE ** ALUE **	
40.	MAYEN	
42.	UNITSIJ) = ENTRY (J+1,1)	
43.	-	
: :	C AT THIS POINT, CONVERSION IS COMPLETE.	
	ACTURN	`
	C CLSE, CHECK REST OF TABLE,	,
50.	2 CONTINUE .	
52.	C IF CODE NOT FOUND, RETURN BITH FUNITS ERROR! IN FUNITS.	١.
. 54.		4

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	1																	
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		134" NOT IN FREQUENCY TABLE										,						
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		61.13,																
		11 CODE.																
	175 P	FORMATI' ERRORUNIT CHETURN																
	1) - · · · · · · · · · · · · · · · · · ·	101,10																
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		52.																
!		000	1						A-2	9								
	1		1							1	-	1		1	-			

	SUBROUTINE DATEST (OPTION, CHAR, KUNTYP)
: 4	
	Control Interes (Act)
: -	COMMON /RUN /PORA, RILLAT, RINS, HFLAT,
::	ATACHARICATION NAVCOD OTTENS STREET S
:	
: :	REAL BAUDIR BAVET STAVE SEASTA BUDDE, SELDIR .
	SPLHT.SULPROLUEATHR.
:	
•	COMMON /CPV /MCON.COM(4,301,MPAR,301,301,MVAR,1VAR13,301,
20.	DIMENSION ICONIA, 301, IPARISO, 301, IVERNE(2, 30, 60)
21.	EQUIVALENCE (CONCILLIANCE
25.	REAL CON. PAR. DATA, VALRAGE
29.	C INCLUDE DATCOM, LIST
24.	C REAL SAVE (30)
28.	DIMENSION UNITS(4), NAME (10), PSUB(30)
20.	REAL VAUE DUN
22.	INCLUDE GETLST.LIST EQUIVALENCE (ECSRI)
74.	)
15.	AETYPE - RUNTYP
37.	
	IRONHENTAL ONLY("E."), OR BOTH("B"))
	READ (5.13, ERDel, ERRed) NODE
42.	
	IF (MODE, NE, 'A') 60 TO 6
.5.	WRITE (6,3)
	3 FORMAT (SA. ACOUSTIC ONLY.)
	4 AETYPE = 2
.6.	#RITE (6,5)
50.	5 FORMAT (SX. 'ENVIRONMENTAL ONLY')
52.	SOJO AETYPE . 3
53.	WRITE (6,5020)
24.	5020 FORMAT (SI, "ACOUSTIC AND ENVIRONMENTAL")

		48176 (4,12)
20 PRITE 14.21. ENVIRONMENT  26 CALL NAME 171. ERFORMANCE  26 CALL NAME 171. ERFORMANCE  26 CALL NAME 171. ERFORMANCE  27 PORNAT 175. ERFORMANCE  28 PRITE 1.27 CRUISE: 116.  29 PORNAT 175. CRUISE: 116.  20 PORNAT 175. CRUISE: 116.  20 PORNAT 175. CRUISE: 116.  20 PORNAT 175. CRUISE: 116.  21 PORNAT 175. CRUISE: 116.  22 PORNAT 175. CRUISE: 116.  23 PORNAT 175. CRUISE: 116.  24 PORNAT 175. CRUISE: 116.  25 PORNAT 175. CRUISE: 116.  26 PORNAT 175. CRUISE: 116.  27 PORNAT 175. CRUISE: 116.  28 PORNAT 175. CRUISE: 116.  29 PORNAT 175. CRUISE: 116.  20 PORNAT 175. CRUISE: 116.  20 PORNAT 175. CRUISE: 116.  20 PORNAT 175. CRUISE: 116.  21 PORNAT 175. CRUISE: 116.  22 PORNAT 175. CRUISE: 116.  23 PORNAT 175. CRUISE: 116.  24 PORNAT 175. CRUISE: 116.  25 PORNAT 175. CRUISE: 116.  26 PORNAT 175. CRUISE: 116.  27 PORNAT 175. CRUISE: 116.  28 PORNAT 175. CRUISE: 116.  29 PORNAT 175. CRUISE: 116.  20 PORNAT 175. CRUISE: 116.  21 PORNAT 175. CRUISE: 116.  21 PORNAT 175. CRUISE: 116.  22 PORNAT 175. CRUISE: 116.  23 PORNAT 175. CRUISE: 116.  24 PORNAT 175. CRUISE: 116.  25 PORNAT 175. CRUISE: 116.  26 PORNAT 175. CRUISE: 116.  27 PORNAT 175. CRUISE: 116.  27 PORNAT 175. CRUISE: 116.  28 PORNAT 175. CRUISE: 116.  29 PORNAT 175. CRUISE: 116.  20 PORNAT 175. CRUISE: 116.  20 PORNAT 175. CRUISE: 116.  25 PORNAT 175. CRUISE: 116.  26 PORNAT 175. CRUISE: 116.  27 PORNAT 175. CRUISE: 116.  27 PORNAT 175. CRUISE: 116.  28 PORNAT 175. CRUISE: 116.  29 PORNAT 175. C	:	12 CO 10 24 COURT OF THE PROPERTY OF THE PROPE
25		20 MITE 4.21
26 CALL NAME 171. LETPHO, MAME  26 CALL NAME 171. LETPHO, MAME  27 FORMAT 175. CRUISER 116. 116. 1  28 BRITE 14.27 CRUISER 116. 116. 1  29 FORMAT 175. CRUISER 116. 1  20 RINS 8 18. 1  21 RILAT 6E. 0) GO TO 3  RILAT 8 - RILAT  22 RILAT 6E. 0) GO TO 3  RILAT 8 - RILAT  23 RIEB 8 18. 1  RILAT 8 - RILAT 6E. 0) GO TO 3  RIEB 8 18. 1  RILAT 8 - RILAT 8 1000  RILON 8 RILAT 8 11 RILON 1000  RILON 8 RILAT 8 11 RILAT 8 1000  RILON 8 RILAT 8 11 RILAT 1 1000  RILON 8 18 18 18 18 18 18 18 18 18 18 18 18 1		FORMAT (///. ENVIRONMENTAL
26 CALL NAME IT 11 LEFPNO MANGE  26 FORMAT 175, CRUPOSTANO  27 FORMAT 175, CRUPOSTANO  28 FORMAT 175, CRUPOSTANO  28 FORMAT 175, CRUPOSTANO  29 FORMAT 175, CRUPOSTANO  20 FORMAT 175, CODO  21	117.	GET EIPERINENT NAME AND PRIN
24 FORMAT (15, EXPERIMENT)  27 FORMAT (15, EXPERIMENT)  28 FORMAT (15, EXPERIMENT)  28 FORMAT (15, EXPERIMENT)  29 FORMAT (15, EXPERIMENT)  20 FORMAT (15, EXPERIMENT)  20 FORMAT (15, EXPERIMENT)  21 FORMAT (15, EXPERIMENT)  22 FORMAT (15, EXPERIMENT)  23 FORMAT (15, EXPERIMENT)  24 FORMAT (15, EXPERIMENT)  25 FORMAT (15, EXPERIMENT)  26 FORMAT (15, EXPERIMENT)  26 FORMAT (15, EXPERIMENT)  27 FORMAT (15, EXPERIMENT)  28 FORMAT (15, EXPERIMENT)  29 FORMAT (15, EXPERIMENT)  20 FORMAT (15, EXPERIMENT)  20 FORMAT (15, EXPERIMENT)  21 FORMAT (15, EXPERIMENT)  22 FORMAT (15, EXPERIMENT)  23 FORMAT (15, EXPERIMENT)  24 FORMAT (15, EXPERIMENT)  25 FORMAT (15, EXPERIMENT)  26 FORMAT (15, EXPERIMENT)  27 FORMAT (15, EXPERIMENT)  28 FORMAT (15, EXPERIMENT)  29 FORMAT (15, EXPERIMENT)  20 FORMAT (15, EXPERIMENT)  20 FORMAT (15, EXPERIMENT)  20 FORMAT (15, EXPERIMENT)  21 FORMAT (15, EXPERIMENT)  22 FORMAT (15, EXPERIMENT)  23 FORMAT (15, EXPERIMENT)  24 FORMAT (15, EXPERIMENT)  25 FORMAT (15, EXPERIMENT)  26 FORMAT (15, EXPERIMENT)  27 FORMAT (15, EXPERIMENT)  28 FORMAT (15, EXPERIMENT)  29 FORMAT (15, EXPERIMENT)  20 FORMAT (15, EXPERIMENT)  21	:	CALL NAMEITILLEAPNO, MAME,
2 FORMAT (15, EAPERHENT) 2 FORMAT (15, EAPERHENT) 2 FORMAT (15, EAPERHENT) 2 FORMAT (15, CRUISE) 2 FORMAT (15, CRUISE) 2 FORMAT (15, CRUISE) 3 FILAT . SE. D) GO TO		WRITE 14.24! EXPNO.INAME!
27 FORMATITS. CRUISES. 116.19.  E SET UF AREA & DATE F STLAT  IF (RILAT . GE. D) GO TO 3  RILAT . SET UF AREA & DATE F STLAT  30 RFNS . NO.  IF (RILAT . GE. D) GO TO 3  RICAT . RILAT . SET OF O TO 4  RICAT . RILAT . SET O GO TO 4  RICAT . RILAT . RIVE O O TO 4  RICAT . RILAT . RIVE O O TO 4  RICAT . RILAT . RIVE O O TO 4  RICAT . RILAT . RIVE O O TO 4  RILAT . RILAT . RIVE O O TO 6  RIDAY . RILAT . RIVE O O TO 6  RILAT . RILAT . IDDO  RILAT . RILAT / IDDO  RILAT RILAT / IDDO  RILAT RILAT / IDDO  RILAT RILAT / IDDO  RILAT R		FORMAT (15. CAPERIMENT:
F   F   F   F   F   F   F   F   F   F	1	FORTE 16.27 CRUNOLSTANDIN
F   F   F   F   F   F   F   F   F   F	:::	. 15. *RUN: T. 6. 14.
	124.	
F   F   F   F   F   F   F   F   F   F	3	SET UP AREA & DATE !
	137.	RINS
#   N   N   N   N   N   N   N   N   N	120.	01 60 10
#   LAT = -R LAT   10   40 TO 35   FLAT   - R LAT   - R RA   - R	129.	.
# # # # # # # # # # # # # # # # # # #		MILAT MILAT
RFNS - 'S'  RFLATRFLAT  35 RIEM - 'E'  17 (RILON - GE. D) GO TO 40  RIEM - 'E'  18 (RILON - RICON  RFHO - 'RFLON  RFLON - RFR  RFLON - RFP  RFLON	132.	
RFLATRFLAT    SRIEM - 'E'	133.	IF (RFLAT .SE 01 50 TO
SELAT = -RFLAT   SELAT   SELAT   SELAN   SE	::	
15 RIEM * 'E'   10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	135.	RFLAT .
F   F   F   F   F   F   F   F   F   F		35
RIER . W.  RILON - RILON  RICON - RILON  REDAY - RIPAY - RIYR - 10000  RIDAY - RIPAY - RIYR - 10000  RILON - 0.0 -	130.	IF (RILON . SE. 01 50 TO
# # # # # # # # # # # # # # # # # # #	139.	
FEB   FE   FE   FE   FE   FE   FE   FE	140.	AILON AILON
	-	
RFE   REDAY   19000   RFE		15 195 OF 15 15 15 15 15 15 15 15 15 15 15 15 15
RFLON = RFLON   10000   RFLON = RFLON   10000   RFHO = RFLON   10000   RFHO = RFLON   RFPR-10000   RFLON   R		DI 05 (0 . 79 . NO
Mark		
# # # # # # # # # # # # # # # # # # #	146.	
RFYR = RFDAY / 10000  RFHO = (RIDAY - RIYR-10G00  RFDAY = RIDAY - RIYR-10G00  RFDAY = RFDAY - RFYR-10000  RFDAY = RFDAY - RFYR-10000  IF (RITIN - LE, 24Q01 GO TO  RIZON = 0.0  SQ IF (RFIN - LE, 24Q01 GO TO  RIZON = 0.0  C FRINT AREA, DATE & TIO  RIZ = RFLAT / 1000  RIZ = RFLAT - RII-1000	147.	RIY
FF   FF   FF   FF   FF   FF   FF   F	•	- RFDAY / 10000
		KIDAY - KITROLCGOOL
F (RITIM .LE. 2400) 60 TO   RITIM .LE. 2400) 60 TO   RITOM   99999   RITOM   1000   RITOM   RITOM   1000   RITOM   RITOM   1000   RITOM   RITOM   1000   RITOM		CREDA - RFFR - COOL
F (RITIN .LE, 2400) 60 TO RILON   99999   RFILON   99999   RFILON   1000   RFILON   RFIL	152.	- REDAY - REVE-10000
F (RITIM .LE. 2100) 69 TO   RIZON   89999   RIZON   89999   RIZON   89999   8720N	153,	
SO IF (RTIM LE 2100) 60 10  RFION 8 100  C	- 54.	. 24001 60 10
FFIN # 99999  RFION # 100  C	155	
FFIN = 99999  RFION = 1.0  C	157	IF (RFT: M. LE. 2400) 60 10
SS RII = RILAT / 1000 RIZ = RILAT / 1000 C RZI = (RILAT - RII-1000)	. 99	RF111 . 00000
SS RII = RILAT / 1000 RIZ = RILAT / 1000 RIZ = RILAT / 1000 RIZ = RFLAT / 1000 RIZ = RFLAT / 1000 RIZ = RFLAT / 1000	159.	ZO NUW
55 R11 = R1LAT / 1000 R12 = R1LAT / 1000 R13 = RFLAT / 1000 R13 = RFLAT / 1000 C R21 = (R1LAT - R11-1000)	140.	
R12 * R1CAT / 1000 R13 * R1CAT / 1000 R13 * RFLAT / 1000 C R21 * (R1CAT - R1101000)	-	PRINT AREA, DATE & T
RIZ = RILON / 1000 RI3 = RFLAT / 1000 HI4 = RFLON / 1000		, 11
R13 = RFLAT / 1000		NO
R21 - (R1LAT - R11-1000)	145.	. RELAT
R21 - (R1LAT - R11-10001 /	. 99	. RFLON /
R21 . (R1LAT - R110100C) /	147.	
	168.	- (RILAT - RILLIDGE) /

169.		#22 = (#120 - #12000) / 10
		TOP TO BE BUILDING
	,	Concietion - withing
193.		
174.		- RILON - R12-1060 -
175.	-	. RFLAT
176.		- RI4-1000 - 1
111.	J	
178.		#RITE (4,57) RII.R21,R31,R1NS,R12,R22,R32,R1EW,
179.		. R13, R23, R33, A
.001		IVR.RITIN
-181		* SFAD. SFAR. SFAR. SFIR. SFIR.
182.	23	RMAT (//TII, 'INITIAL', T34, 'FINAL', /TS,
183.		LONGI
	-	**1.2X*13\1X.J2'.'.' 141.3X;13\1X.J2'.'.' 11.A1.2X,136!X.J2'.'.' 11
185.		0.A1,//,T17,*DATE*,T26,*TIME*,/,T5,*IMITIAL*,T15,2(12,0/*),12,3%,J4,
		041./.15.ºFINAL'.115.2(12.º/').12.3x,J4.A11
		SOUT ON STATE CAST STATE CHARGE AND THE STATE OF THE STAT
		IT ACOUSTIC ROOM TAKES STORY THE STO
100		100 77 17 100
16	65	FORMAT 177720.º CODE WAME.)
192.		
193.		
:	09	FORTATION OF SONAR SYSTEM
145.		
196.		MRITE(6,61)SYSSRC, (MAME(J), J=1,NR)
10%	-	_
198.		
. 66.	:	TATILLE A COLUMN TO THE TOTAL
2000	70	0.00 CT-0.1   CT-0.
202	.,	COO SEAL MEDICULAR OF THE COLUMN TO THE COLU
203.	:	CALL TAKE TO SECTION S
204.		
205.		TFISACTYPONESACATYP CALL NAMEIT (S. ACATYP . NAME . NR)
. 902		621 RCRTYP, INAME!
207.	3	NAV CODE ETC
268.	•	
269.	:	
	34	
212.	0	
213.		1
214.	99	FORMATING SOURCE (* 120.14.544)
215.		CALL MARKET C. C. AC MANG. NO.
216.		TABLE AND THE STATE OF THE STAT
217.	17	FOREST THE CONTRACT OF SECTION OF
218.	•	
219.		IF TOAT VEE . Ea. 31   SET and
220.		CALL NAME I (15ET. DESCR. NAME, NR.)
221.	-	ARTE(6.48) OESCR. (NAME (J.) I.NR.)
222.	8 9	FORMATITS, "KUN DESCR.: ", 120,14, 3x, 6x6)
223.	2	
224.	_	IF TYPE IS ENY, WRITE SHIP NAME AND BATHEMETRY AVAILABLE

.

220.	4KITE (4.70) (INFOILT.Tel.9)
229.	70 FORMAT (TS. SHIP S NAME!
236.	IF (FLD1), 1.RSIAT(2)), EG.D1 GO TO BO
232.	1
233.	
234.	
235.	00 10 10 00 00 00 00 00 00 00 00 00 00 0
	TOTAL STREET, ACCUMENT ACCUMENTS
230.	
239.	EN176 (4.61)
240.	BI FORMAT (146), ACOUSTIC*)
241.	
242.	02 MRITE (4,03)
543.	-
245.	AN LOCAL TARGET OF THE CONTRACT OF THE CONTRAC
246.	
257.	
248.	DUNIII - CONI311)
249.	CALL CHECK (DUMILLICON(1,1), UMITS)
250.	CALL NAMET (ICONII, 11, NAME)
251.	IF (1CON(4,1)) (60.0)   CON(4,1)   -
253.	87 FORFAT ITTILIZAK 25 (1945-1947-1947-1947-1947-1947-1947-1947-1947
254.	CONTINUE
255.	
257.	
250.	C LOOP TO SET PARAMETER POINTERS TO 1
259.	
240.	
261.	
262.	110 CONTINUE
264.	DSN = 1 BCURRENT DATA SET # FOR PARAMETERS
265.	
266.	WAITE (4,111)
248	
269.	3
270.	C PRINT DATA SET N
271.	
272.	#R17E (6,112) NRS(1)
274.	11. TURNET (/TS-10A1A SET 1.12)
275.	
276.	IF INRS(1) .Eq. 11 GD TO 120
277.	- 1
278.	
277.	1.5 POBLO : 1.5 PO
781.	PSUBLUI I I I I I I I I I I I I I I I I I I

284.	1 280 - 280 - 2
	T TO THE THE THE THE
200	
287.	C PRINT OUT PARAMETERS
288.	
289.	120 BRITE (4,123)
290.	FORFAT
291.	IF (DATYPE-NE-3) GO TO 125
292.	#FITE (6,124)
293.	124 FORMAT (TAB. *ACOUSTIC*)
294.	
295.	
2965	
297.	
298.	
299.	DO 190 ATLANTA
2000	
307	CALL CRECK LOUR (1) : IT A (2) I LON (15)
	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
106.	- ~
307.	1
308.	
369.	C PRINT VARIABLES
210.	3
312.	ZUI FORMAT (1/15) ** ** ** ** ** ** ** ** ** ** ** ** **
313.	,
314.	
315,	-:
	21 13 11 12 17 17 17 17 17 17 17 17 17 17 17 17 17
318.	u - 17 /uv du . 150 - 17.
319.	0 : [7]
320.	
321.	
322.	SAVEIL31 . DA
323.	
324.	
325.	\$10.7
340.	200 BALL (4.295) (4807) (1.10)
328	
329.	0:07
330.	00 270 14-11-12
331.	
332.	33
333.	
334.	FLD(0,36,VBUF(20L3-1)) - UNITS(1)
335.	FLD(0,36, VBUF(2.13 1) .
336.	270 CONTINUE
337.	11 c 2 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
110	STE FORMET
:	

291 290 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	(	2 50
291 FORMAT (112, TETRODESTEE)  C	SECINNING SUBSCRIPT FOR DATA  SET MRSII)  Q. 1) GO TO 300	2 2 3
291 FORMAT !!  C COMPUTE BEGINNING SU  C COMPUTE BEGINNING SU  E NRSII: 1 60 TO TO  IN  NRSII: 1 1 60 TO  C LOOPS TO PRINT DATA  C LOOPS TO PRINT TO TO TO  C NRT	SET NRS(1) SET NRS(1) OF 1) GO TO OF 1) GO	CO CONT.
C	PEGINNING SU SET NESTINA IN GO TO OF 11 GO TO OF 11 GO TO OF 12 G	20 00 00 00 00 00 00 00 00 00 00 00 00 0
C COMPUTE BEGINNING SU  F IN DATA SET NRS!!)  F IN DATA SET NRS!!)  DO 295 INRS!!)  E NRS!!-!!  E NRS!!-!!  E NRS!!-!!  E NR E INR I E NO F E NO F E NO F E NO F E NO E E E E E NO E E E E E E E E NO E E E E	1) 60 TO 1) 70 TO 1)	20 0 0 29 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C	1) 60 TO  1) 60 TO  1) 60 TO  1) 60 TO  8 NOT 6N  ATAIDSUB- 10 NATE - NA  ATAI	295 CONTI 200 CONTI 200 CONTI 200 45
	B NOT EN RINT DATA ATALDSUB-LL DATA (DSUB-LL)  5. (YBUF (LP) 6. (YBUF (L	295 CONT. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	1) 60 TO  1) 60 TO  8 NOT EN  7  7  7  7  7  7  7  7  7  7  7  7  7	100 20 CONTI
	#5.1143]  # NOT EN  # NOT EN  # NOT EN  # NOT A L D S UB  # L L L L 2  # L L L L L 2  # L L L L L 2  # L L L L L L L L L L L L L L L L L L	295 CONT 1 200 CONT 1
	RINT DATA RINT DATA ATAIDSUB-L LOUNILLI DATAIDSUB-L LOUNILLI DATAIDSUB-L LOUNILLI LO	100 100 100 100 100 100 100 100 100 100
295 CONTINUE  295 CONTINUE  200 CONTINUE  C	B NOT EN B NOT EN RINT DATA 7 7 **********************************	295 CONTI 295 CONTI 200 CONTI
295 CONTINUE  C	RINT DATA  RINT DATA  7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	295 CONTI 200 CONTI 1 - C7 - C7 - SKT - SK
295 CONTINUE  200 CONTINUE  C	E MOT END OF A EO LOOP  11. 2  11. 2  12. 1. 1. 1. 2  13. 1. 1. 1. 2  14. 1. 1. 1. 2  15. 1. 1. 1. 2  16. 1. 2  17. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	255 CONT.
200 CONTINUE B NOT EN C LODES TO PRINT DATA C LO NOGESTIE LLT NOGESTIE NOGESTIE LLT NOGESTIE NOGESTIE LLT NOGESTIE NOGESTIE LLT NOGESTI	PRINT DATA YALUES  11.  11.  11.  12.  13.  14.  15.  16.  16.  17.  18.  18.  18.  18.  18.  18.  18	200 CONT.
C LOOPS TO PRINT DATA  C II = NRSII)  L7 = NRONS(II)  L7 = RKT = IL7  RKT = RKT + 1  L3 = D  L4 = L1.L2  L4 = L4 = L4 = L4  C MRIIE [4, 125] L5.[VBUF[4]  C MRIIE [4, 12]  C M	11.7 11.7 11.7 11.7 11.7 12.1.1.2 13.1.1.2 14.1 15.1.1.2 16.1.1.2 17.1.1.2 17.1.1.2 18.1.1.2 18.1.1.2 19.1.1.2 19.1.1.2 19.1.1.2 19.1.1.2 19.1.1.2 19.1.1.2 19.1.1.2 19.1	200 R X X Z
C   11 = NRSII)  L7 = NROWS(11)  L2 = 1.L7  RKT = RKT + 1  L3 = D  DO 450 L5 = 1.L7  L3 = D  DO 450 L5 = 1.L7  L3 = D  DO 450 L5 = 1.L7  PO 450 L5 = 1.L7  VBUF(L3) = DATAIDSUB+  CAL CHECK IDUMI11.  CAL CHECK IDUMINITIC INTO IDUMIN		100 K K K K K K K K K K K K K K K K K K
C	11 11. L2 + 1 = DATA(DSUB-L4) = DATA(DSUB-L4)	PO O O O O O O O O O O O O O O O O O O
	11. 1. 1. 1. 1. 2. 1. 1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	0 0 0 X
L7 " NROWS(!!!)  D0 450 L5 = !!L7  RKT = RKT +!  L3 = 0  CAL CHECK IDUM!!!  VBUF(L3) = DATAIDSUB-!  CAL CHECK IDUM!!!  VBUF(L3) = DATAIDSUB-!  CAL CHECK IDUM!!!  ASD CONTINUE  C BRITE [4,125] L5, [VBUF(L)]  450 CONTINUE  C 500 CONTINUE  C	11.7 11.7 11.1.2 1.1 -11.1.2 1.2 - 11.1.2 1.3 - 11.1	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
L3 = 0  L3 = L1.L2  L3 = L3 + 1  DUHI	11L7 11 = 11.L2 11 = 11.L2 12	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
C	L1 = L1.L2 • I • DATA(DSUB-L4) • DATA(DSUB-L4) • DATA(DSUB-L4) • DATA(DSUB-L4) • L5.(YQUF(LP).LP-1.L3) • S(G12.5,13)	RKT •
13 - 0   00   00   00   00   00   00   00	+ 1 - 11.12 + 1 - 1 - 1.1.12 - DATA(DSUB+L4) - DATA(DSUB+L4) - DATA(DSUB+L4) - DATA(DSUB+L4) - LS.(YBUF(LP).(P-1,L3) - S.(G12.5,13)	0.01
L3 = 0  L3 = 0  L3 = 0  L3 = 11.6.2  L3 = 13.6.1  DUH1	++ =	091
13	14 - 11.12 41 RETOMAR - NYAR - DATA(DSUB+L4) - DATA(DSUB+L4)	
C	* 1 * DATA (DSUB-LY) * CATA (DSUB-LY) * OATA (DSUB-LY) * DATA (DSUB-LY) * E	
DSUB = RKT: NA & B - NA IDSUB- CAL CHECK IDUMILLA VBUILLA : DATA IDSUB- VBUILLA : DATA IDSUB- VBUILLA : DATA IDSUB- VBUILLA : EQ. NVAR : GO TO IF ILZ : EQ. NVAR : GO TO SQO CONTINUE C SQO CONTINUE C SQO CONTINUE C SQO CONTINUE C GO TO 20G GO TO 2	RKT*NVAR - HVAR - DATAIDSUB+L41 ECE IDUNILLIYARII-LYLUNITSI 1 - DATAIDSUB+L41 2 - LS. (YBUF(LP) (LP 1, L3) 5.5 (G12.5, LX)	
### DUMFILE TO TATOSUB-  CAL CHECK IDUMILL  VBUF(L3) - DATAIDSUB-  CAL CHECK IDUMILL  VBUF(L3) - DATAIDSUB-  #\$5 CONTINUE  IF (L2 .Eq. NVAR) GO TO  IF (L2 .Eq. NVAR) GO TO  15 (L2 .Eq. NVAR) GO TO  490 ##IE (4.111)  C 500 CONTINUE  C 500 FORMAT (//,17,*LISTING  POI FORMAT (//,17,*LISTING	= DATAIDSUB+L4)   CATAIDSUB+L4    CATAIDSUB+L4    LS. (YBUF(LP!:LP=1:L3)   S. (GIZ.S.   X.)	
450 CONTINUE  450 CONTINUE  450 CONTINUE  450 CONTINUE  550 CONTINUE  55	ECK (PUMILLIYARILLY),UNITS)  - DATA(DSUB+L4)  - E. (YBUF(LP),LP=1,L3)  5.5(G12.5,11)	
450 CONTINUE  425 FORMAT (12,15,5 (612,5,1),  425 FORMAT (12,15,5 (612,5,1),  425 FORMAT (12,15,5 (612,5,1),  426 FORMAT (12,15,5 (612,5,1),  427 FORMAT (12,15,5 (612,5,1),  500 CONTINUE  500 CONTINUE  500 CONTINUE  500 CONTINUE  500 FORMAT (1//,17,1L15TING)  701 FORMAT (1//,17,1L15TING)	- DATAIDSUB+L4  	
425 FORMAT (12,15,5(G12,5,1), 425 FORMAT (12,15,5(G12,5,1), 425 FORMAT (12,15,5(G12,5,1), 425 FORMAT (12,15,5(G12,5,1), 426 FORMAT (12,15,5(G12,5,1), 426 FORMAT (1/,17,1,1), 426 FORMAT (1/,17,1,1), 427 FORMAT (1/,17,1,1), 428 FORMAT (1/,17,1,1), 426 FORMAT (1/,17,1,1), 427 FORMAT (1/,17,1,1), 428 FORMAT (1/,17,1), 428 FORMAT (1/,17,17,1), 428 FORMAT (1/,17,1), 438 FORMAT (1/,17,17), 438 FORMAT (1/,17,17), 438 FORMAT (1/,17,17), 438 FORMAT (1/,17), 438 FORMAT	E. S. (YBUF (LP): LP-1:L3) S. S (G12.5,11)	
425 FORMAT (T2.15, S(G12.5, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	1.15.(YBUF(LP).LP-1.L3) 5.5(G12.5,13)	
#SO CONTINUE  #50 CONTINUE    15 (L2 . Eq. NVAR) GO TO TO L1 L2 +1	1.5.(YBUF(LP1,LP-1,L3) 5.5(612.5,1x)	
425 FORMAT (17,15,56612.5,12,  450 CONTINUE  11 - L2 +1  60 TO 2:0  920 CONTINUE  C 500 CONTIN	5,5(612.5,111)	
450 CONTINUE  1		
450 CONTINUE  IF (L2 .Eq. NVAR) 60 TO  L1 2 ±1  G0 TO 210  490 #RITE (4.111)  C0 10 20C  G0 TO 20C  C0 17 (4.201)  F0 17 (7/,17,"LISTING  RELURN		
490 #RITE (4.111)  60 TO 210  60 TO 210  500 CONTINUE  60 TO 20C  60 TO 20C  60 TO 20C  700 #RITE (4.801)  701 FORMAT (//,17,"LISTING	0.	
490 #RITE (4.111)  C 500 CONTINUE C 600 1F (ALL) GO TO 10  G 0 TO 20CC C 70 PRITE (4.801) 901 FORMAT (//.17.*LISTING	2	112 .69.
920 CONTINUE  C 500 CONTINUE  C 600 1F (ALL) GO TO 10  C 60 TO 20CC  C 700 #PITE (4,201)  901 FORMAT (//,17,*LISTING		20 20 20
C 500 CONTINUE C 600 1F (ALL) 60 TO 10 GO TO 20CC C 700 #FITE (4,901) 901 FORMAT (//,17,*LISTING		2
600 CONTINUE 600 1F (ALL) 60 TO 10 60 TO 20CC C C C C C C C C C C C C		4
C 600 1F (ALL) GO TO 10 GO TO 20CC C 700 #RITE (4,901) 901 FORMAT (//,17,°LISTING		
600 1F (ALL) 60 TO 10 60 TO 20CG C C 900 #R11E (4,901) 901 FORMAT (//,17,°LISTING		
60 TO 20CC C 900 #RITE (4.801) 901 FORMAT (//,17,"LISTING (	10 10	1F (ALL) 60
900 #RITE (4,901) 901 FORMAT (//,17,ºLISTING )		60 10 2000
900 #FITE (4,901) 901 FORMAT (///.T7.*LISTING		5
POD STILL (//, 17, 000 POD		
RETURN	9 6: 16 THE	
	_	
		A C C C C C C C C C C C C C C C C C C C
392. END		END

	:	SUBROUTINE DBLOSSIVALUE, UNICUE, UNICU
C ENTER CONVERSION FACTORS.  C ENTER CONVERSION FACTORS.  C ENTER CONVERSION FACTORS.  C ENTER CONVERSION FACTORS.  C DATA (FACTOR(1),1=1,8)/00.  C ENTER INTERNAL UNITS.	::	TABLE FON UB LOSS AND ATTE
INTEGER ENTRY 13, 51, UNITS		
DATA (ENTRY(1,1),1=1,4)/09,  C ENTER CONVERSION FACTORS:  C ENTER CONVERSION FACTORS:  C ENTER CONVERSION FACTORS:  C ENTER CONVERSION FACTORS:  C DATA (FACTOR(1),1=1,4)/09, 1		INTEGER ENTRY (3,8), UNITS
C ENTER CONVERSION FACTORS. C ENTER CONVERSION FACTORS. C DATA (FACTOR(1),1=1,0)/.0. C NETRIEVAL IN STANDARD DB L C ENTER INTERNAL UNITS.	:	
C ENTER CONVERSION FACTORS:  C DATA (FACTOR(1),1=1,8)/.8,  C DATA (FENTRY(1,J),1=2,3),J  DATA (FENTRY(1,J),1=2,3),J  ONITS(1),-:UNITS:  C RETRIEVAL IN STANDARD DB L  FIUNICDE,NE.D) 60 TO 1  UNITS(1),-:METER I  C ENTER INTERNAL UNITS:  C ENTERNAL UNITS:  C E		DATA (ENTRY(1,11,1-1,6)/87
DATA (FACTOR(1), 1=1,8)/.8,  C PUT IN ALPHA UNITS.  DATA ((ENTRY(1,J), 1=2,3),J  OBS//1 ''KN  'OBS//1 ''KN  'ONITS(1)='OBJ//1 ''KN  'ONITS(1)='OBJ//1 ''KN  'ONITS(3)='OBJ//1 ''KN  'ONITS(3)='OBJ//1 ''KN  'ONITS(3)='OBJ//1 ''KN  'ONITS(3)='OBJ//1 ''KN  'ONITS(3)='OBJ//1 ''KN  'ONITS(3)='OBJ//1 ''KN  'ONITS(4)='ER ''KN  'ONITS(4)='E		
DATA ((ENTRY(1,J),1=2,J),  DATA ((ENTRY(1,J),1=2,J),  'DB//1"', KY  'DB//1"', KY  'DB//N"', TE  'OB//NE', TE  'OB/		DATA (FACTOR(1), 1-1, 8)/.8.
DATA ((ENTRY(1,J),11-2,J),  (C) (NITIALIZE 'UNITS' TO ERRO  (C) (NITS(1) - 'UNITS' TO ERRO  (C) (NITS(1) - 'END GO TO I  (C) (NITS(2) - 'ERRO GO TO I  (C) (NITS(3) - 'DB//I'  (C) (NITS(4) - 'NETER I  (C) (NITS(4) - 'NETER I  (C) (NITS(4) - 'DB//I'  (C) (NITS(4) - 'DB//II  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C) (C) (C)  (C) (C) (C) (C)  (C) (C) (C)		
ONITS(1) - 'OB//H''' 'TE  ONITS(1) - 'UNITS' TO ERRO  ONITS(1) - 'ERROR''  C ENTER INTERNAL UNITS'  ONITS(3) - 'OB//H'  ONITS(3) - 'OB//H'  ONITS(4) - 'NETER'  C ENTER INTERNAL UNITS'  C IF CODE IS IN TABLE, PERFO		DATA ((ENTRY(1,J),1-2,3),J-1,8)/'08//! ','YARD
OBJANE   O	.61	**************************************
C	20.	.08/11KMETER., .08/MET., .ER
C	22.	TER
UNITS(1) -: UNITS .  ONITS(2) -: ERROR .  C RETRIEVAL IN STANDARD DB L  IF (UNICDE 02  C ENTER INTERNAL UNITS.	24.	INITIALIZE . UNITS: TO ERRO
C RETRIEVAL IN STANDARD DB L  IF (UNICDE, NE. 0) 60 TO 1  UNITS(3)='DB//I'  UNITS(3)='DB//I'  UNITS(3)='DB//I'  C RETRIEVAL IN STANDARD ATTE	26.	UNITSTITUTE
	28.	
	30.	יייייייייייייייייייייייייייייייייייייי
C ENTER INTERNAL UNITS.  UNITS(1)='DB//1' UNITS(1)='METER '  GO TO 2  C RETRIEVAL IN STANDARD ATTE  I IF (UNICDE92  C ENTER INTERNAL UNITS.  C UNITS(1)='DB/MET'  UNITS(1)='DB/MET'  C IF CODE IS IN TABLE; PERFO  C CODE INTO 'UNITS'.  C CODE INTO 'UNITS'.	31.	IF (UNICDE, NE. D) 60 TO UNICDE 82
C RETRIEVAL IN STANDARO ATTE  C RETRIEVAL IN STANDARO ATTE  C ENTER INTERNAL UNITS.  C ENTER INTERNAL UNITS.  C UNITS(3)=*PB/MET*  UNITS(4)=*ER  C IF CODE IS IN TABLE, PERFO  C CODE INTO 'UNITS'.  C IF CODE IS IN TABLE, PERFO  C CODE INTO 'UNITS'.		ENTER INTERNAL UNITS
UNITS(1) - HETER (  GO TO 2  C RETRIEVAL IN STANDARD ATTE  I IF LUNICDE, HE, -1) GO TO 2  UNITS(2) - 92  C ENTER INTERNAL UNITS.  C UNITS(3) - 98/HET.  UNITS(4) - 18  C IF CODE IS IN TABLE, PERFO  C CODE INTO UNITS.	36.	
C RETRIEVAL IN STANDARD ATTE C I [F[UNICDE,NE,-1] 50 TO 2 UNICDE92 C ENTER INTERNAL UNITS. C UNITS(3)DB/NET. UNITSTAJER C IF CODE IS IN TABLE, PERFO C CODE INTO 'UNITS'. C I CODE IS IN TABLE, PERFO C CODE INTO 'UNITS'.	37.	
LIFTUNICDE.NE17 GO TO Z  UNICDE92  C ENTER INTERNAL UNITS.  C UNITS (4) - 1 ER  C IF CODE IS IN TABLE, PERFO  C CODE INTO 'UNITS'.	39.	200
C ENTER INTERNAL UNITS. C ENTER INTERNAL UNITS. C UNITS(1) - DB/HET. C IF CODE IS IN TABLE, PERFO C CODE INTO UNITS.		ACINIEVAL IN STANDARD ALIE
C ENTER INTERNAL UNITS.  C UNITS(4) = : ER .  C IF CODE IS IN TABLE, PERFO  C CODE INTO 'UNITS'.  Z ICODE = IABS(UNICOE)	42.	-
C IF CODE IS IN TABLE, PERFO C CODE INTO UNITS:		ENTER INTERNAL
UNITSTATER  C IF CODE IS IN TABLE, PERFO  C CODE INTO 'UNITS'.  Z ICODE LABSCUNICUE)		THE STATE OF THE S
C IF CODE IS IN TABLE, PERFO C CODE INTO 'UNITS'.		
2 10006	500	IF CODE IS IN TABLE, PERFO
	52.	
	53.	2 1C0DE=1ABSIUNICDE)

	\$ 50.	IFILCUDE.ME.ENTAY(1.1) GO TO 3 IFILMICDE.GT.O) VALUE-VALUE-FACTOR(!) IFIUNICOE.LT.O) VALUE-VALUE-FACTOR(!)
61. C AT THIS POINT, CONVERSION 62. C ELSE, UNIT CODE IS NOT CON 64. C ELSE, UNIT CODE IS NOT CON 65. 112 FORMATI: EROR-UNIT CODE 72. 112 FORMATI: EROR-UNIT CODE 73. 101 FORMATI: EROR-UNIT CODE 74. END		UNITS (2) DENTRY (3,1)
# # # # # # # # # # # # # # # # # # #	-	AT THIS POINT, CONVERSION
66. C ELSE, UNIT CODE IS NOT CON 69. C ELSE, UNIT CODE 19. 112 PRINT 112. 112 PRINT 113. 12. 12. UNITS.113. UN		-
10. PRINT 10.1 10.00 6. 69. PRINT 10.1 10.00 6. 70. 11.2 FORMATI'S ERROR—UNIT CODE. 71. 101 FORMATI'S ERROR—UNIT CODE. 71. END FORMATI'S ERROR—UNIT CODE. 71	\$ 5	ELSE, UNIT CODE IS NOT CON
70. 112 FORMATI'S EROR-UNIT CODE 71. 12. 13. 14. 15. 15. 16. 16. 17. 17. 18. 18. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	69.	
71.  WETURN 71.  IOI FORMATI: ERROR=-UNIT CODE:		FRINT 112 FORMATI: ERRORUNIT CODE
71. IOI FORMATI ERRORUNIT CODE.	71.	UNITSELL UNITS .
	2 2	END ENDR UNIT CODE
	A-39	

	•	
		INTEGER ENTRY (3,27), UNIT
C ENTER ALPHA UNITS.  DATA ((ENTRY(1,J), 1=2,3), J=1,27), DBJ/DBJ/DBJ/DBJ/IN, 1,471  PRESSR', RATIO', DBJ/IN', 1,478-2  '//1088', 12/5/H7', 108/11 1,678-2  '//1088', 12/5/H7', 14/6/H2/11 1,678-2  '//1088', 12/5/H7', 14/6/H2/11 1,678-11  'DBJ/IN', 178-2', 108/11 1,178-11 1,178-11  'DBJ/IN', 178-11 1,		
DATA ((ENTRY(1.J),10.7,3),JJ-1,23)/7 DB/YDD*,****  *** 'PRESR', 'RAID', 'DB/YIB*,***  *** 'DB/YIB*,*',YH****  *** 'DB/YIB*,*',YBB/YB*,*',YBB/YB*,*'  *** 'TERTIEVING, UNPACK 'VALUE AND UNIT CODE**  *** 'TERTIEVING, UNPACK 'YALUE AND UNIT CODE**  *** 'TERTIEVING, UNPACK 'YALUE AND UNIT CODE**  *** 'TERTIEVING, UNPACK 'YALUE AND UNIT CODE**  *** 'TERTIEVING, UNPACK 'TALUE')  *** 'TERTIEVING, 'TALUE', 'TALUE'		
PRESST   RATIO   DB//IE   144		DATA ((FNIRI([.J).[62.3].Je[.27]/'08/YD0'.'02
**************************************		, 2/5/HZ CH3/6R AM
	. 91	** PRESSR BATIO 08//18 ATT
		, , Hee2
100   100		. EC/CH
108/11   1, KYARD   1, 08/11   1, KYARD   1, 08/11   1, KYARD   1, 08/14   1, 1, KYART   1, 08/11   1, 1, CB/11   1, CB	20.	•
100/4E1': FR   100/74R': FER		
OBSTANT   TEA   TO   TO   TEA   TEA		. METEN .
15   UNICDE, Eq. 0, THEN SET UNITS TO "DB AS HEAS."		TEN TORINET OFF
TE UNICDE, EQ.O. THEN SET UNITS TO  C UNITS(1) = 'DB AS ' UNITS(2) = 'HEAS.'  C SET INDICATOR FOR CASE UNPACK 1S C  IF RETRIEVING, UNPACK VALUE AND U  C IF NETRIEVING, UNPACK VALUE AND U  C IF UNICDE, GE, 1) GO TO 1  CODE "VALUE  IF UNICDE "O AND I CODE, EQ 9999  UNICDE "O AND I CODE, EQ.O 9999  UNICDE "O AND I CODE, EQ.O 9999  C IF BE AREN'T RETRIEVING, THEN NET  C IF BE AREN'T RETRIEVING, THEN NET  C SET INDICATOR FOR CASE PACK IS BY  S ITST = 1		.8AK61M'.08//10'.8AR01
C IF UNICDE, EQ.O. THEN SET UNITS TO C UNITS(1) = 10B AS 1 UNITS(2) = 10E AS 1 C SET INDICATOR FOR CASE UNPACK 1S C IF RETRIEVING, UNPACK VALUE AND U C IF NETRIEVING, THEN NET C IF NETRIEVING, THEN NET C IF NETRIEVING, THEN NET C SET INDICATOR FOR CASE PACK IS BY C SET INDICATOR FOR CASE PACK IS BY		. HINY
UNITS!!) -: DB AS 1  UNITS!!) -: DB AS 1  UNITS!!) -: NEAS .  C SET INDICATOR FOR CASE UNPACK IS B  I FUNICOE.GE.!! GO TO 1  ICODE.YALUE  IF UNICOE.NE.O.AND.!CODE.EQ99999  IF UNICOE.NE.O.AND.!CODE.EQ99999  IF UNICOE.NE.O.AND.!CODE.EQ99999  IF UNICOE.NE.O.AND.!CODE.EQ99999  IF UNICOE.NE.O.AND.!CODE.EQ99999  IF UNICOE.NE.O.AND.UCOE.EQ99999  C IF BE AREN'T RETRIEYING, THEN NETL  C IF BE AREN'T RETRIEYING, THEN NETL  C SET INDICATOR FOR CASE PACK IS BYP	-	
C SET INDICATOR FOR CASE UNPACK IS BE INDICATOR FOR CASE UNPACK IS BE ITST-0  C IF TUNICOE,GE,11 GO TO 1  ICODE,YALUE IF TUNICOE,BQ,0.AND.ICODE,EQ,-99999 IF TUNICOE,NE.O.AND.ICODE,EQ,-99999 IF TUNICOE NE.O.AND.ICODE,EQ,-99999 IF TUNICOE NE.O.AND.ICODE,EQ,-99999 IF TUNICOE NE.O.AND.ICODE,EQ,-99999 C IF NE AREN'T RETRIEYING, THEN NETL		IF UNICDE, EQ.O. THEN SET UNITS TO
UNITSIZIONEAS. "  SET INDICATOR FOR CASE UNPACK IS BYPASS  IF RETRIEVING, UNPACK VALUE AND UNIT C  IF UNICOE - VALUE  IF UNICOE - VALUE  IF UNICOE - NEO - AND ICODE - EQ 99999999999999999999999999999999999		UNITS(1) - 108 AS
ITST-0  IF RETRIEVING, UNPACK VALUE AND UNIT C  IF TUNICDE.GE.11 GO TO 1  ICODE-YALUE IFONICDE-GO.AND.ICODE.EQ99999999  IFONICDE-O.AND.ICODE.EQ999999999  IFONICDE-GO.AND.ICODE.EQ9999999999999999999999999999999999		1
C SET INDICATOR FOR CASE UNPACK 15 BYPASS C ITST=0 C IF RETRIEVING, UNPACK VALUE AND UNIT C C IF TUNICDE.GE.I) GO TO I I CODE.YALUE I FOUNICDE.GE.O.AND.ICODE.EQ9999999999999999999999999999999999		
C IF RETRIEVING, UNPACK VALUE AND UNIT C  IF UNICDE-VALUE  ICODE-VALUE  ICODE-VALUE  ICODE-VALUE  ICODE-VALUE  ICODE-VALUE  ICODE-VALUE  IF UNICDE-CO-AND.ICODE.EQ9999999999999999999999999999999999		SET INDICATOR FOR CASE
IF TONICDE, GE.11 GO TO 1  [FIUNICDE, GE.11 GO TO 1  [CODE, TALUE [IFUNICDE, GE.12] GO TO 1  [FIUNICDE, GE.10 GO TO 1  [FIUNICDE, GE.10 GO TO 1  [FIUNICDE, GE.10 GO TO		
IF TETRIEVING, UNPACK VALUE AND UNIT C  [FIUNICDE.GE.I] GO TO I  [CODE.ALUE   ICODE.ALUE   ICODE.GE.O.AND.ICODE.EQ9999999]   IF (UNICDE.NE.O.AND.ICODE.EQ9999999)   IF (UNICDE.NE.O.AND.ICODE.EQ99999999)   IF (UNICDE.NE.O.AND.ICODE.EQ99999999)   IF (UNICDE.EQ.O.AND.ICODE.EQ99999999)   C		
IF TUNICOE.GE.I) GO TO I  ICODE-YALUE IF TUNICOE.EQ.O.AND.ICODE.EQ9999999) IF TUNICOE.NE.O.AND.ICODE.EQ99999999) UNICOE.IABSIFLDIZ9,7,VALUE)) C IF BE AREN'I RETRIEVING, THEN KETURN. C IF (ICODE.EQ.G.AND.UNICOE.EQ.O.) KETURN C SET INDICATOR FOR CASE PACK IS BYPASSE( S 1151=1)		IF RETRIEVING. UNPACK V
ICODE TALUE IF (UNICOE E G. G. AND. ICODE E G9999999) UNICOE E G. G. AND. ICODE E G99999999) UNICOE E G. G. AND. ICODE E G99999999999999999999999999999999999		-
IF UNICDE.Eq.O.AND.ICODE.Eq9999999) IF UNICDE.O UNICDE.O UNICDE.O UNICDE.O UNICDE.O UNICDE.O C IF DE AREN'I RETRIEVING, THEN KETURN. C IF (ICODE.Eq.O.AND.UNICDE.Eq.O) RETURN C SET INDICATOR FOR CASE PACK IS BYPASSE( S) 1151=1		
IF UNICOE - I ABSTELDIZP, 7, VALUE))  UNICOE - I ABSTELDIZP, 7, VALUE))  C IF BE AREN'T RETRIEVING, THEN RETURN.  C IF (ICODE - EQ. G. AND. UNICOE - EQ. O) RETURN  C SET INDICATOR FOR CASE PACK IS BYPASSE  S 115T=1		100000000000000000000000000000000000000
UNICOE=1ABS(FLD(29,7,VALUE))  C IF BE AREN'T RETRIEVING, THEN RETURN.  C IF (ICODE.EQ.D.AND.UNICOE.EQ.O) RETURN  C SET INDICATOR FOR CASE PACK IS BYPASSED  S 1151=1		· £09999999
C IF BE AREN'T RETRIEVING C IF IN AREN'T RETRIEVING C IF (ICODE.EQ.D.AND.UNICD C SET INDICATOR FOR CASE S 115T=1		
C IF BE AREN'T RETRIEVING C IF (ICODE.EQ.D.AND.UNICD C SET INDICATOR FOR CASE S 115T=1		UNICDE-1ABSIFLDI29,7.VAL
I FILL SHENEN I MENTERY INC.  IF ILL SHENEN I MENTERY INC.  SHENEN INC		370
SET INDICATOR FOR CASE  5 1157-1		THE AREN'T ALIAIEVING
C SET INDICATOR FOR CASE  5 1157=1		IF LICODE.EQ.D.AND.UNICDE
5 1157±1		2342 000 0000000000000000000000000000000
5		SEL INDICATOR FOR CASE
		5 1151-1

N. DEEBEE. . DEEBEE

45, 40 10

55. C TEST TO SEE IF CODE 15  54. 00. 2 1-1.27  59. 2 CONTINUE  51. 100. 2 1-1.27  59. 2 CONTINUE  51. 100. 2 1-1.27  51. 100. 2 1-1.20  52. 2 CONTINUE  53. 102 PRINT 102.UNICOE.VALUE  54. C FRINT 102.UNICOE. 159  71. C PACK CODE AND VALUE  72. C SET UNITS 1. 100. 100. 100  73. 2 1F(175.1) - ERNOR  74. C SET UNITS 1. 100. 100  75. C SET UNITS 1. 100  76. C SET UNITS 1. 100  77. C PACK CODE AND VALUE  78. C SET UNITS 1. 100  79. UNITS 1. 100  71. C PACK CODE AND VALUE  71. C PACK CODE AND VALUE  72. C SET UNITS 1. 100  73. DIF(175.1) - ERNOR  74. C SET UNITS 1. 100  75. C SET UNITS 1. 100  76. C PACK CODE AND VALUE  77. C PACK CODE AND VALUE  78. C SET UNITS 1. 100  79. UNITS 1. 100  70.
---

DF OR , SA	N, DENSTY, . DENSTY
	SUBROUTINE DEMSTTIYALUE, UMICDE, UNITS)
	TABLE OF DENSITY MEASURE CONVERSION FACTORS.
	INTEGER ENTRY(3,3), UNITS(4), UNICOE
	FACTORS ARE DOUBLE PRECISION.
	DOUBLE PRECISION FACTORILY
	PUT UNIT CODES INTO ENTRY.
	DATA (ENTRY(1),(1),1-1,3)/46,40,47/
· •	PUT IN ALPHA UNITS.
	DATA ((ENTRILLIJITE2,3), Juli 33/16HS/CH', 1003 ', KG/HET', EROOS ', LB/FTO', 103 ',
20.	ENTER INTERNAL UNITS.
22:	UNITS(3)="6HS/CM" UNITS(4)===3 "
	IF UNICDE-D. THEN SET CODE TO STANDARD UNITS.
	IF CUNICDE. EQ.O. UNICOE
	SET CONYERSION FACTORS.
30.	DATA (FACTORIII, 101, 31/1, 000, 1, 000, 1, 000), 7,74922304/
35.	INITIALIZE 'UNITS' TO ERROR MESSAGE IN CASE CODE NOT FOUND. UNITS(1)='UNITS' UNITS(2)='ERROR '
39.	IF CODE IS IN TABLE, PERFORM CONVERSION. ALSO, ENTER UNITS ALPHA CODE INTO "UNITS".
-52	IF (CODE ENTRY (1,1)) GO TO Z
	JF (UNICOE: LT-0) VALUE -VACUE/FACTOR (T) UNITS(1)-ENTRY(2,1)
47.	UNITS[2] = ENTH ( 3, 1)
	AT THIS POINT, CONVERSION IS COMPLETE.
	KETURN
52.	ELSE, CHECK REST OF TABLE,
27.	THE ARM A STREET AND A STREET ASSESSMENT ASS

					1	1	4	
								1
								-
								-
								-
S IN	1.6.							
CODE HOT FOUND, NETURN BITH "UNITS ERROR" IN "UNITS".	METURN ENDRUMIT CODE 13.º NOT IN DEMSITY TABLE) END							-
RROR.	DENSI							-
113	3							
5								
	11.90							
METU	3							-
DUND	3							
101	688				-			
3000	- Z							-
= 3	E E E							-
J	2							
5 2 5 5	1633							
				A-43	1			

	C PROGRAM TO PRINT THE NUMBER OF RUNS LISET-B FOR ACOUSTIC.  C OR ENVIRONMENTAL DESCRIPTORS LISET-B FOR ACOUSTIC. ISET-F FOR  C ENVIRONMENTAL DESCRIPTORS LISET-B FOR ACOUSTIC. ISET-F FOR  C ENVIRONMENTAL DESCRIPTORS LISET-B FOR ACOUSTIC. ISET-F FOR  RRITE (4.10)  WRITE (4.10)  L/)  L/)  L/)  L/)  L/)  L/)  L/)  L
	ENVIRONMENTAL DESCRIPTORS ENVIRONMENTAL DESCRIPTORS ENVIRONMENTAL)  DIMENSION ITEMS(1), MAMÉ(1)  RRITE (6,10)  F FORMAT (T43, "NUMBER"/"  1/)  DU 30   ** 1, MITEMS  IF (ITEMS(1), EQ. 0) GO TO  CALL MAME(1) (156711, MAMÉ
	PROGRAM TO PRINT THE NUMBER ON ENVIRONMENTAL DESCRIPTORS ENVIRONMENTAL DESCRIPTORS ON THE (6.10) FORMAT (T43, "NUMBER")  1/3 DU 30   1   1   MITEMS  IF (1TEMS(1): 69:01 GO TO  CALL MAME! (155!   1   MAME! I
	DIMENSION ILENSIII MAMELI  PINENSION ILENSIII MAMELI  RRITE (4.10)  FORMAT (143, NUMBER./*  1/1  DO 30 1 = 1.MITEMS  IF (ITEMS(I) 60 TO  CALL NAMELI (15E11 MAME.)  IF (NR.67.5) NR = 5
	DIMENSION ITENS(1), NAME(1)  #RITE (4,10)  FORMAT (143), NUMBER"/"   /)  DU 30   # 1, M 17EMS  IF (1TEMS(1), EQ.0) GO TO  CALL NAME(1), EQ.0)  IF (NR. 67, S) NR & S
	O 1 NENSION 1 TEMS(1) NAME(1) REALA (10) FORMAT (143) "NUMBER"/"  /) DO 30     NITEMS     (1 TEMS(1) * 60** 0) GO TO CALL NAME(1 (156** 1) NAME
	FORMAT (143, "NUMBER"/"  1/)  DO 30 1 1, NITEMS  IF (ITEMS(1) & 60 TO  CALL NAME I (15ET   1 NAME)  IF (NR 6T 5) NR 5
	1/1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2
	11 ENST 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	DO 30   # 1.MITEMS IF (ITEMS(1)-Eq.0) GO TO 30 CALL NAME IT (ISET1)-NAME :NR) IF (NR.CT.S) NR = 5
	IF (ITENS(1)-Eq.0) 60 TO 30 CALL NAME I (ISETALINAME, NR) IF INR. GT. S. NR . S.
	CALL NAME I (1SETILINAME INR)
	TANK AT A NE OF
	I WALKING A
-	
	1
17.	
-	

	A Device Assessment
44111	TODARECT: DEFINE
	SUBROUTINE DSKREDIIN, 15, ADR)
• •	CALL SETADR(10.1M)
	CALL NTAIN(10,2,10,10R.L)
2 - 2	19 FORMATILLY, ERROR IN DERRED. 11101
::	END .
A	
<b>4</b> 5	

BELTIL MIEAST CAST
1. INTEGER FUNCTION EAST (A.B.)
EAST - MAK(A,4) RETURN
10. 10 EAST = 0
RETURN END
A
-46

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N. ENERGY ENERGY	
SUBROUTINE ENERGY (VALUE, U	NICOE, UNITS)
TABLE OF ENERGY MEASURE C	ONVERSION FACTORS.
INTEGER ENTRY (3,5), UNITS	
C FACTORS ARE DOUBLE PRECISION.	
C DOUBLE PRECISION FACTORIS!	
C PUT UNIT CODES INTO ENTRY.	
DATA (ENTRY (1,1),191,51/6	1.62.63.00.00/
C PUT IN ALPHA UNITS.	
C DATA ((ENTRYCL, J), 1-2, 3), Jel.	
0 0 8 3 100 C	
C ENTER INTERNAL UNITS.	
UNITS(4) = TERS .	
IF UNICDESO, THEN SET CODE	TO STANDARD UNITS.
IF LUNICOE. Eq. 0) UNICOE 66	
SET CONVERSION FACTORS.	
DATA (FACTOR(11,1-1,5171.	01970-8,.1019700,.138255500,100,107,500/
C INITIALIZE .UNITS TO ERROR P	DA HESSAGE IN CASE CODE NOT FOUND.
UNITS(1) . UNITS ! UNITS(2) . 'ERROR'	
IF CODE IS IN TABLE, PERF	ORM CONVERSION. ALSO. ENTER UNITS ALPHA
30	
IF (ICODE, NE ENTRY (1, 1) 1 GO TO	
IF UNICOE GE O VALUE OVALUE FACTOR (1) IF UNICOE LT O VALUE OVALUE /FACTOR (1) IN ITS (1) A FACTOR (2)	נעסאון
AT THIS POINT, CONVERSION	IS COMPLETE.
NETURN	
•	

URN BITH 'UNITS ERROR' IN 'UNITS'.		•	
IF CODE NOT FOUND, RETURN BI PRINT 191.1CODE 101 FORNATI' ERRORUNIT CODE''.1 END			

=	SUBROUTINE FREEFO (CHAR, BOND, 140NDS, MAX, \$)
: :	THIS PRUGRAM ACCEPTS A STRI
-	OF DATA VALUES INPUTTED IN FREE-FIELD FORMAT. THE VALUES CA
;.	C STRING OF ALPHANUMERIC CHARACTERS BEGINNING BITH AN ALPHABETIC CHARACTER.
10.	U
-	0/10/1 1/03/0
2:	O = SCOOL
:	
. 0	0 . 0
17:	CHARIBIL
	•
	IF CLOT BY METURN
22.	Ea 60 TO
23.	CHARCELL NE 60 T
24.	-
.52	MHORDS & NEGROS + 1
24.	C FLAG VALUE OF -9999999 STOKED IN CASE A BLANK VALUE IS FOUND.
27.	AORCINEORDS: CONTOURS
	C SKIP DECODE IF BLANK VALUE.
	י איניסיר איני איניסיר
31.	
32.	IF MAX VALUES MAYE BEE
11.	12 IF (MINORDS, GE, MAX) GO TO 15
34.	0 - 1
15.	•
	3000
18.	# 01 09
39.	:
.01	
+1:	C CHECK IF ALPHABETIC AND IF FINST CHARACTER OF STRING.
42.	IF ICHARITION TO SEE STATE
	DELECT OF THE PROPERTY OF THE
46.	9 IF (H1.cc. 34) GO TO II
.7.	FL0(B
.8.	Ø11 = D1 + 4
.64	1.1.1.
.05	-
.19	FLD(0,34,1MORD(MMORDS)) - FLD(0,34,40RD(NWORDS))
52.	
53.	PAC
	1

Δ

1
1
-
E
HILL SETIN
Ξ
N. GETIN
ż
8.5
OFOR

57.	KETURN
	3
	3
	C ROUTINE FOR PROCESSING EACH RUN.
	ENTRY GETRUNIDATYPE, EXPNO, CRUND, STAND,
	C WHEN RUN COUNTER IS .GE. NUMBER OF POINTERS, WE ARE DONE.
	I IFLICTR.GE.NPTRSI RETUKN S
	1CTR-ICTR+1
73.	CALL NTRANCLL, 2,56, DESC, LSTAT)
75.	C NO PARALLEL PROCESSING.
77.	CALL NTRANCIL, 22)
79.	C WRITE NTRAN ERROR. IF ANY.
81.	
83.	102 FCRHATI'S ERKORGETRUN NTRAN STATUS ",12," LITR . ",14,1.".
965.	C CHECK EXP. CRU, AND STA NUMBER
.06	STANO - DESC(2)
91.	IF (ALL) 60 TO 3
93.	1
95.	IF (CRUNO.ME.CRUI) GO TO 1
. 96	16
960	S NEXTON - FLDI 0118,DESC(41)
	C SET ISUB - SUBSCRIPT OF RUN
03.	ISUB • DESC(S)
05.	IF ILASTDA .Eq. NEXTOAT GO TO IS
07.	CALL DSKRED (NEXTDA, LEMGTH, 18FH)
. 600	C UPDATE LAST DISK ADDRESS PTH
.011	

:::	C UNPACK DATA TYPE
115.	DATTPE . FLOID.18-18FR(1))
	C IF NOT ACOUSTIC ON ENV. DATA, MRITE ERROR
.411	IF (DATYPE .Eq. 3 .OR. DATYPE .Eq. 4) GO TO 15
123.	PRINT 103, DATYPE
. 121	IDS FORMAT (* ERROR GEIRON DATA TYPE. ILLEGAL. )
.,,	
24.	C CHECK RUN NUMBER
125.	
. 97	KUNNO . FLD
127.	(USERAP)
. 821	(ALL) 60 10 18
. 67	17 (XVI) - 17 (XVI) - 17 (XVI) - 17 (XVI) - 17 (XVII) - 17 (XVII) - 17 (XVII) - 17 (XVIII) - 17 (XVIIII) - 17 (XVII
132	IF (AETYPE-E0.2) 60 TO
133.	
134.	70 20
135.	19 IF (DATYPE.EQ.3) 60 TO 1
136.	
130	C FIND PIR TO DAILA
139.	20 DPTR = IMFRISUB +91
140.	
	SECAD - FLOI O. 16 DPTRI
. 7 .	SLNGIH FLDIB.18.00 IN.
	CALL AUNCK (18FR, SUB)
45.	
.94	IF (DATTPE .Eq. 41 GO TO 30
47.	THE OFFICE OF STATE O
	CALL DEKKED CALLED STREET TOTAL BEACH TO THE STREET STREET
	OF OF OF
52.	30 CALL DERRED (SECAD, SLNGTH, 1EQUIZAVII)
53.	6 1-1 5
24.	TNF011) = 1EQU(2991+1)
.55	35 CONTINUE
. 95	2000
. / .	יוט ייטיטורים יי
	TOP OF THE PROPERTY OF THE PRO
63.	SO CONTINUE
62.	C CALL TO PERFORM UNIT CONVERSIONS
63.	•
	CALL UNTCVT
. 59	
. 09	C INCREMENT NUMBER OF RUNS FOUND
	1 13111011

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1		-								
									1	
1										
										-
										1.
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				-						
DONE										
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	END END									
	END									
00	•									
169	22.									
					1		1			

+		SUBROUTINE IDNAME (CHAT, ID, MANE, FLAG)
~ -	4	THIS KOUTINE DECODES THE USEN MANE AND 10
		IMPLICIT INTEGER (A-2)
•		CIMENSION CHAR(I), NAME(I)
•		DECORE NAME
==		FLAG . 0
12.		a dyo.
2		1
2	51	NAME III
• • •		
6		(CHAR(1).Eg. ") 60 I
20.		CHARILLI.LT.A.OR.CHA
212		
22.		FLD (BIT, 6, NAME (WORD)) . FLD (O. 6, CHAR())
24.		1
25.		IF (CHARII). Eg 60 TO 5
26.		1F (817-17-34) GO TO 50
27:		- 1
29.	90	
30.		60 10 \$
32:		
33		
		(00'9
35.	20	- 1
37.		* Line *
38.		
		200014
;	, "	0 - 1 - 0
42.		
43.		5
		IF (CHARII) Eq ) 40 TO 10
		10 g 7 g 1 g 1 g 1 g 1 g 1 g 1 g 1 g 1 g 1
47.		FLD (811.4.10) - FLD (0.4.CHAR(1))
48.		* BIT + 6
. 64		
20.		IF (CHARLI) EG ) METURN
50	07	372.425

	THE I STATE	E PROGRAM FOR READING IN THE RETRIEVAL REQUEST
:		OR THE NAVOAB RETRIE
		D INTO COMMON / METREV/. THIS INPUT PROGRAM IS
•		OF NAVONB.
:	•	V-12 CEV
10.	INPLICIT INTEGER (A-Z)	R (A-Z)
	LOGICAL CIRST. BACKIIP CLS	0.38510.612460
:	9	
+	REAL AEQUIVIN, 101, EEQUIV	0), EEGUIV(4,10), MORD(20)
	INCLUDE RETREVILIST	1151
17.	3	
-8-		DIMENSION TEMP(151, UNITS(41, CHAR(81), HSQRS(2), NAME(10),
. 6	I IWORD (20), YEARS	(2),DAYS(2),HOUMS(2),ECSR(4),ERRCK(4),7999,99,
21.	244.444	
22.	EQUIVALENCE IAEQUIVACPA	GUIV. ACPARS) . (REGULV. ENPARS) . (MSGRS(I) : FMSGR) .
23.	I (MSQRS(2), THSQR), (YEARS)	I) (YEARSILI) FHYR), (YEARSIZI) TOYRI, [DAYSILI] FNDAY),
24.		
52.		
20.	C DATA R /·K·/	
28.	DATA W /	
29.	3	
30.	BACKUP FALSE.	EX.SEX.MASK.ROUEST.TNAME.TNBR.FIRST.BACKUP.CLSREG.
32.		
33.		
34.	C ENTER RETRIEVAL	IEVAL HODE
- 20	9000 18176 (4. 9016.)	
37.		
38.	IRONMENTAL ONLY ( * E * * ) .	OR BOTH ( 'B' . ) . )
39.	READ (5,52, END-	0301
	IF (MODE, EQ. 18 . OR. MODE.	OR HOUR EQ. 1 GO TO 7040
42.	15 (HOOF NE. *A.) GO TO	60 10 101
43.	RUNTYP . 1	
. + +	WRITE (6,9015)	
45.	9015 FORMAT (SX. ACOUSTIC	USTIC ONLY:
•	DENDCK . C	
- 4	NEWPAR . O	
.64		
50.	0	
.15	WRITE	
52.	4	(SA.) ENVIRONMENTAL ONLYTI
53.		
	T. C.	THE RESERVE THE PARTY AND

N. INPUT . . INPUT

1,1130

	7.10 0.10
115.	4921 4RITE (6,56)
:	
	ANY 200
	A.A.I.
123.	
131.	
	•
24.	D C C C C C C C C C C C C C C C C C C C
125.	
126.	-
127.	T00AY . 9
128.	0
130	Q · KICOLA
131:	
132.	C . CHITHO
133.	
	•
.55	C - CALLANDER CO.
	• •
138.	NSSYST = 0
139.	•
.0.	60 10 900
142.	C ENTER AREA
143.	
	- ANA OTAL
4 5	10 FORHAT (/, ENTER MHDLE WORLDI'' #"1, RECTANGULAR AREA(""R"), OR
147.	IMSOR AKEAIXXIII)
	#EITE (4.12) (CHAR(I), [], 00)
150.	12 FORMAT (3x, 60A1)
	CALL FREED (CHANGES HADEN) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
153.	•
154.	
155.	
156.	HS4K REQUEST
	IF (NKSORS:Eg.1) TKSOR . FMSOR
159.	
163.	IF IFHSQR .GT. Q .AND. FMSQR .LT.
161.	.61. 299
162.	:
	- 1
165.	6 IF (THSQR .GT. 0 .AND. THSQR .LT. 2891 GO
166.	.GT. 299 .AND. THSQR

170.	
171.	17 PRINT 19, FMSGR. TMSGR JJ. OR JJ. 15 [LLEGAL
22	60 TO S
175.	C CONVERT TO LONG & LAT
	25 CALL MSQCVT (FMSQR, TMSQR, NLAT, ELOM, SLAT, #LON)
	C GO TO NEXT INPUT ITEM
	60 10 \$0
	C NHOLE BORLD
105.	
189	60 10 50
100	C RECTANGULAR AREA
192.	C NORTHERN BOUNDARY
194.	
196.	41 FORBAT (* USPER BOUNDARY!*)
197.	NLATNS
. 66	CALL FREEFD (CHAR, WORD-1 WORDS, 3, 844)
1	1
262.	NINTED STREET
	IF (NBORDS.Eq.3) 60 TO 42
205.	FLD(0.6.NIATMS) - FLD(0.6.1w0RD(21)
266.	60 10 5000
20%	42 IF (#ORD(2).EQ09999999.) #ORD(2) = 0.
209.	FLD10.4.NLATMS) . FLD10.4.1w0xD131)
210.	
213.	C CHECK FOR ERROR
213.	304 IF INLATO .LT. 0 .0R. NLATO .GT. 90)
215.	IF (NIATH .LT. O .OR. NIATH .G. O TO 46
216.	T - NLATO . 100G + NLATH
217.	IF INLATUS .Eq. 'S') NLATNLAT
219.	C SOUTHERN BOUNDARY
220.	
222.	SP WRITE (4,60)
223.	SLATES
224.	READ (5,70,6M0=40,6RR=47) (CHAR(I),1=1,00)
225.	CALL FREEFO (CHAR. LORD. INORD. NEUROS. 3.847)

227.	IF (IMORDII), Eq 9999999) INORD(I) . O
226.	TO - 14080(1)
229.	IF (MAGRUS-E9-3) 60 TO 61
239.	
	FLOID, 6, SLATMS) - FLOID, 6, 140KO(2)
237.	16 14 04 04 12 50 - 040 000 04 1 4 04 04 12 1 4 04 04 12 1
	S. 17
235.	
1	
237. C	CHECK FOR ERROR
239, 51	5100 IF (SLATD .LT. 0 .0R. 31ATD .GT. 901 G 10 47
240.	(SLATH .LT. 0 .08. SLATM .67.599) 60 TO 47
	IF ISLATUS .NE. TWO SLATUS .NE. 'S. GO TO 47
242.	AT - SLATO . 1060 .
	17 NAME   18 NAM
245.	
	A SECULATION OF THE PROPERTY O
	•
	#RITE (4.66)
250.	
251.	
152.	CALL FREEFD (CHAR, BORD: 180RDS, 3, 549)
253.	
254.	"IF (IMORDII).Eq 99999999 1 1 1 1 1 1 1 1 1 1 1 1 1 1
255.	I CONO I
267	
268.	FIDENCE - FIDENC
259.	60 10 5300
260. 67	
	MLONM - WORD(2) . 10.
262.	FLD(0,4,4LONE#) - FLD(0,4,100RD(3))
	CHECK FOR ERROR
245	100 m 000 W 1
	IS (w) Out of T.
268.	- 1
269.	N. N.
270.	NO " - NO "   NO "   NO "   NO   NO   NO   NO
271.	
-	EASTERN BOUNDARY
273. 6	
	"R1TE (4.43)
275. 63	FORMAT
276.	-
277.	READ (5.70, END-65, ERR#48) (CHARII), IPI, 80)
278.	CALL FREEFD (CHAR BURD, INORD, NAORDS, 3, \$48)
279.	IF (N#0RDS-Eq.0) GO TO 48
280.	IF (120RDIS) : Eq 94999999 1 40RD(11 = 0
281.	OND . INOMDIII
383	1 CA

51 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	340.	TATALON TO
1943. C	140	TE (BOUNDS) SELT. TO GO TO SELT TO
1945. C  1946. G  1947. C  1948. S  1949. C  1950. C  1950. C  1951. C  1951. C  1952. C  1953. BRINT S  1954. BDUNDA  1955. S  1956. C  1957. CALL FREED (CHAR, MORD) T  1957. CALL FREED (CHAR, MORD) T  1958. C  1959. C	343.	
345. C 346. GO TO SO 347. GO TO SO 347. GO TO SO 351. C 352. C 354. S4 FORHAT (' ENTER YEAR BOUNDA 355. FHYN " O 356. TOYR " O 357. FHYN " O 356. TOYR " O 357. FHYN " O 358. TOYR TOYR TOYR 358. TOYR TOYR TOYR 358. TOYR TOYR TOYR 370. C 55 PRINT S6 55 PRINT S6 371. C 55 PRINT S6 372. C 56 TO S3 374. S6 TO S3 376. S6 TO S3 377. C 56 TO S3 378. TOYR TOYR 378.	341.	-
346. 48 18 6 4 4 8 18 6 4 4 9  347. 57 RRITE (6,4)  351. 6 50 10 50  352. 6 51 PRINT 54  354. 54 FORMAT (1 ENER YEAR BOUNDA 5 5 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 10 7 8 9 10 10 7 8 9 10 10 7 10 7 8 9 10 10 7 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	345.	
347. 57 RRITE (6,54)  350. C  351. C  351. C  352. C  353. READ IN YEAR BOUNDA  352. C  353. READ IN YEAR BOUNDA  354. S4 FORHAT (* ENTER YEAR BUNDA  355. TOYR C  356. TOYR C  367. C  370. C	346.	URITE (6,4)
349. 57 #RITE (6,54) 351. C 352. C 353. C 354. S4 FORHAT ( ENTER YEAR BOUNDA 155. C 354. S4 FORHAT ( ENTER YEAR BUND 155. C 355. TOYR 0 0 10 10 10 10 10 10 10 10 10 10 10 10	347.	01 05
350. C 351. C 352. C 353. C 354. S4 FRAD IN YEAR BOUNDA 355. FRAD IN YEAR BOUNDA 355. FRAD IN YEAR BOUNDA 356. C 367. FRAD CCHAR, WORD, V 357. C 367. C 372. C 372. C 372. C 373. C 373. C 374. C 375. C 375. C 375. C 376. C 377.	348.	MRITE
350. C 351. C 352. C 353. C 354. BRINT S4 354. BRINT S4 355. TOYR BUNDAN 355. TOYR BUNDAN 356. TOYR BUNDAN 356. C 367. CALL FREEO (CHAR, WORD, V 367. CALL FREED IN HONTH N 377. GG TO S3 380. CALL FREEO (CHAR, WORD, V 380. C	347.	01 05
351. C 352. C 353. S4 FORMAT ("ENTER YEAR BOUNDA 354. S4 FORMAT ("ENTER YEAR BUNDA 355. TOYR BOUNDA 356. TOYR C 357. CALL FREFO (CHAR-BUNG) 356. TOYR C 356. TOYR C 366. C 367. C 367. C 367. C 367. C 368. F 368. C 372. C 372. C 373. C 373. C 374. C 375. C 375. C 376. C 376. C 377. C	350.	
352. C 354. 54 FORHAT ( ENTER YEAR 8U) 354. 54 FORHAT ( ENTER YEAR 8U) 355.	351.	READ IN YEAR BOUNDA
353. 53 PRINT S4  354.	352.	
354. 54 FORMAT ( ENTER YEAR 8UU 354. 1354. FREAD (5179.END=53)ERR=55 354. 1054. 20 1554. 1054. 20 1554. 1054. 20 1554. 2	353.	53 PRINT S4
355. READ (5,19, END "53, ERR" 55  356. TOYR " 0  356. TOYR " 0  357. CALL FREE O (CHAR, WORD, VI  356. IF (NWORDS, Eq. 0) 60 TO 7  365. IF (NWORDS, Eq. 0) 60 TO 7  365. IF (NWORDS, Eq. 0) 60 TO 7  366. C CHECK FOR EROR FORD  367. C CHECK FOR EROR FORD  366. C CHECK FOR EROR FORD  370. C CHECK FOR EROR FORD  371. C ERHOR  372. C ERHOR  373. S FORMAT ( *** READ FORMAT  374. S FORMAT ( *** READ FORMAT  375. S FORMAT ( *** READ FORMAT  376. S FORMAT ( *** READ FORMAT  377. S FORMAT ( *** READ FORMAT  378. S FORMAT ( *** READ FORMAT  378. S FORMAT ( *** READ FORMAT  378. C C READ FORMAT ( *** READ FORMAT  389. C C READ FORMAT ( *** FOR ERROR  389. C C CHECK FOR ERROR  391. C C CHECK FOR ERROR  391. C C CHECK FOR ERROR  395. C C CHECK FOR ERROR	354.	54 FORMAT (" ENTER YEAR BUUNDARIES")
156. FRYN - 0 156. CALL FREETO (CHAR, WORD) 1 157. CALL FREETO (CHAR, WORD) 1 158. CALL FREETO (CHAR, WORD) 1 159. CALL FREAD FORMA 1 159. CALL FREAD IN HONTH 1 159. CALL FREAD (CHAR, WORD) 1 159. CALL FREETO (CHAR, WORD) 1 150. CALL FREETO (CHAR, WORD)	355.	READ (5,70,END=50,ERR=55) (CHAR(I),I=1,80)
157. TOYR - D  158. CALL FREED (CHAR, WORD).  159. IF (NWORD). Eq. (1) TOYR - 1  150. C  150.	356.	0 - 114
350. CALL FREEFO (CHAR, WORDLY 1) 350. CALL FREEFO (CHAR, WORDLY 1) 361. CALL FINGORDS-EQ.0) 60 TO 7 2 363. CALL FINGORDS-EQ.0) 60 TO 7 2 365. CALL FINAR, LT. 0 .0R. FM 365. CALL FINAR, LT. 0 .0R. FM 370. CALL FINAR, LT. 0 .0R. FM 4 10 TO 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	157.	T07R • D
154. 15 (NWORDS.Eq.0) 60 TO 7  165. 15 (NWORDS.Eq.0) 10 TO 7  165. 16 (NWORDS.Eq.0) 10 TO 7  166. 10 S S FORMAT (NOT 10 TO 8  170. C ERWOR 10 TO 8  170.	358.	CALL FREETO (CHAR, WORD, YEARS, MWORDS, 2, 855)
361. 15 FORMAT () 362. C 363. C 364. C 365. IF (FMYR. LT. O .0R. FR 367. C 371. C 372. C 55 FRINT 55 FHYR, TUYR 374. C 375. S6 FORMAT () 376. 39 GO TO 52 377. GO TO 53 376. 39 GO TO 53 376. C 381. C	357.	IF (N#ORDS-E4-0) 60 TO 72
361. 15 FORMAT () 362. C 363. C 364. C 365. IF (FMYR .LT. Q .OR. FM 365. IF (FOYR .LT. Q .OR. FM 365. IF (FOYR .LT. G .OR. FM 366. C 370. C 371. C 55 PRINT 56 60 T0 53 374. 56 FORMAT ( READ FORMA 375. 56 FORMAT ( READ FORMA 376. 56 FORMAT ( READ FORMA 377. 56 FORMAT ( READ FORMA 377. 56 FORMAT ( READ FORMA 378. 56 FORMAT ( READ IN HONTHS 380. 36 GO TO 53 380. C	363.	F (NECROS-LO-1) TOTA - FATR
362. C CHECK FOR ERROR 363. C CHECK FOR ERROR 365. IF 1707R.LT. 0 .0R. FM 365. C D 10 72 ERHOR 10 10 10 10 10 10 10 10 10 10 10 10 10	361.	FORMAT ()
363. C  364. C  365. IF ITOYR LIT. G .DR. FM  366. D  367. C  370. C  58 FINT S6  371. C  58 FINT S6  372. S6 FORMAT [ . ** READ FORMA  375. S6 FORMAT [ . ** READ FORMA  376. S6 FORMAT [ . ** READ FORMA  377. S6 FORMAT [ . ** READ FORMA  378. S6 FORMAT [ . ** READ FORMA  378. S6 FORMAT [ . ** READ FORMA  379. GO TO S3  380. C  380.	362.	
364. C IF (FMYR .LT. 0 .0R. FA 365. IF (TOYR.LT.FHYR) GO TO 369. C O TO 72 371. C ERHOR 372. C ERHOR 373. S6 FORHAT ( READ FORHA 375. S6 FORHAT ( READ FORHA 376. 39 WRITE (6,78) FHYR 377. S6 GO TO 53 378. S6 GO TO 53 378. C GO TO 53 380. 38 WRITE (6,89) 381. C GO TO 53 381. C GO TO 53 382. C G GO TO 53 384. C G GO TO 53 385. C G GO TO 53 386. C G GO TO 53 386. C G GO TO 53 387. C G GO TO 53 3889. C G GO TO 53 3890. C G G GO TO 63 3890. C G G G G G G G G G G G G G G G G G G	363.	
365. IF (FMYR .LT. 0 .0R. FM 366. IF (TOYR .LT. 170 .0R. TO 366. IF (TOYR .LT. 170 .0R. TO 370. C 371. C 55 PRINT 55 FMYR, TOYR 372. C 56 FORMAT (** ** READ FORMAT 375. S6 FORMAT (** ** READ FORMA 375. S6 FORMAT (** ** READ FORMA 376. 39 MRITE (**,78) FMYR 377. S6 FORMAT (** ** READ FORMA 378. S6 MRITE (**,78) FMYR 378. S6 MRITE (**,78) FMYR 379. G0 T0 S3 360. 38 MRITE (**,78) TOYR 380. C 38	364.	
366. IF (TOYR LIT & .0R. 10 366. 60 10 72 370. C 371. C 55 PRINT S6 374. 56 FORMAT (. *** READ FORMA 375. 56 FORMAT (. *** READ FORMA 376. 56 FORMAT (. *** READ FORMA 377. 56 FORMAT (. *** READ FORMA 380. 70 FORMAT (. *** READ FORMA 380. 70 FORMAT (. *** ROWFH NOWTH NO TH NO 380. 70 FORMAT (. *** FOR ERROR 380. 70 FORMAT (. *** FO	365.	(FHYR .LT. 0 .0R. PA
367. IF (TOYR.LT.FHYR) GO TO 32 370. C ERHOR 371. C 55 FRINT 56 373. 56 FORMAT (* ** READ FORMA 372. C 60 TO 53 374. 56 FORMAT (* ** READ FORMA 372. C 60 TO 53 376. 39 MRITE (6,78) FMYR 377. 50 MRITE (6,78) FMYR 378. 50 MRITE (6,89) 380. 30 WRITE (6,89) 381. C 60 TO 53 384. C 72 FRINT 71 384. C 72 FRINT 71 384. C 72 FRINT 71 389. C 74 FORMAT (60AI) GO TO 89 391. C 64 L FREEFO (CMAR, WUND, N 391. C 66 L 6	366.	2.
356. GO TO 72 370. C  55 PRINT S6 372. C  55 PRINT S6 375. 39 WRITE (6,78) FNYR 376. 56 FORMA 51 377. 60 TO 53 380. 38 WRITE (6,89) 381. C  382. C  382. C  384. C  387. AEAD IN HONTH S0 384. C  386. C  387. C  387. C  388. C  389. C  486.	367.	2
370. C ERHON 371. C 55 PRINT 56 373. 56 FORNAT (*** READ FORNA 375. 39 WRITE (6,78) FHYR 376. 39 WRITE (6,78) FHYR 377. 60 TO 53 380. 38 WRITE (6,89) 381. C 60 TO 53 380. C 72 PRINT 71 385. C 72 PRINT 71 389. C 72 PRINT 71	.000	10. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12
371. C ERHON 371. C ERHON 372. C 55 PRINT 56 50 FORMA 375. 56 FORMA 1 (* *** READ FORMA 375. 39 WRITE (6,78) FHYR 377. 58 MRITE (6,78) FHYR 377. 58 MRITE (6,89) 381. C 50 TO 53 582. C 50 TO 53 583. C 50 TO	367.	-
372. C 55 PRINT 56 373. 374. 56 FORMA ( • • • READ FORMA 374. 56 FORMA ( • • • READ FORMA 377. 56 FORMA ( 6, 78) FMYR ( 60 TO 53 377. 58 481TE ( 6, 78) TOYR ( 60 TO 53 382. C 60 TO 53 583. C 72 PRINT 71 884. C 72 PRINT 71 71 71 71 71 71 71 71 71 71 71 71 71		
373. 55 PRINT 56 374. 56 FORMAT (* *** READ FORMA 375. 39 WRITE (6,78) FNYR 377. 60 TO 53 378. 58 GO TO 53 380. 38 WRITE (6,89) 381. C 382. C 384. C 385. C 386. C 372 PRINT 7! ENTER HONTH NU 71 388. C 372 PRINT 7! ENTER HONTH NU 71 388. C 389. C 4644 FORMAT (60A1) 391. C 4644 FORMAT (60A1) 391. C 4644 FORMAT (60A1) 394. C 589. C 589. C 6880 (6488.00) GO TO 89	1	
374. 56 FORMAT (* *** READ FORMA 375. 39 WRITE (6,78) FWTR 377. 60 TO 53 380. 38 WRITE (6,89) 381. C 382. C 382. C 384. C 384. C 386. C 386. C 386. C 386. C 387. T FORMAT (* ENTER HONTH NU 388. T FORMAT (* ENTER HONTH NU 389. T FORMAT (* ENTER NO TO * B)		55 PRINT
375. 39 GO TO 53 376. 59 WRITE (6,78) FMYR 379. 50 WRITE (6,78) TOYR 380. 30 WRITE (6,89) 381. C 382. C 384. C 385. C 386. C 386. C 372 PRINT 7; READ IN MONTHS 389. C 72 PRINT 7; ENTER HONTH NU 389. C 441. FERD (CHAR, WUND, N 391. C 441. FREED (CHAR, WUND, N 391. C 394. C 395. C 396. C 497. C 498. C 49	1	FORMAT ( READ FORMAT
58 4817E (6,78) FHYR 58 4817E (6,78) TOYR 60 TO 53 38 WRITE (6,89) C C C C C C C READ IN HONTHS C 72 PRINT 7; 72 PRINT 7; 74 FORHAT (* ENTER HONTH NU READ (5,70; ENTER HONTH NU READ (7,70; ENTER NU READ (7,70;		60 10 53
58 4811E (6.78) TOYR 50 10 53 38 WRITE (6.89) 50 10 53 50 70 53 50 70 53 60 70 53 72 PRINT 7; 71 FORNAT (* ENTER HONTH NU READ (5.72, ENTER NU READ	376.	WRITE (6.78)
59 481TE (6,78) TOYR  90 TO 53  10 WRITE (6,89)  C C READ IN HONTHS  C 72 PRINT 71  71 FORHAT (* ENTER HONTH NU  READ (5,70,5878-75,5ND=53  C ALL FREED (CHAR,80MD:N  C C C C C C C C C C C C C C C C C C C	377.	60 10 53
18 WRITE (4,89)  C C C READ IN HONTHS  C 72 PRINT 7! 71 FORHAT (* ENTER HONTH NU READ (5,75,ERR*75,END*5)  70 FORHAT (* 60A!) CALL FREEFO (CHAR,#UND.H  C C C C C C C C C C C C C C C C C C C	378.	4RITE (6,78)
28 WRITE (6.89) C C C READ IN HONTHS C 72 PRINT 7! 71 FORHAT (* ENTER HONTH NU READ (5.7G.ERR-75.END=53 70 FORHAT (80A!) C C C C C C C C C C C C C C C C C C C	379.	60 10
C READ IN MONTHS C 72 PRINT 7! READ (5,70,ERR-75,END=53 70 FORHAT (80A1) CALL FREED (CHAN,BURDIN 1F (NHON,EQ.D) GO TO 89 C CHECK FOR ERROR	380.	WRITE
C READ IN MONTHS C 72 PRINT 71 PGRAT (* ENTER HONTH NU READ (5,7G.ERR-75,END=53 70 FORHAT (80A1) C ALL FREED (CHAN,BUND.N TF (NHON,EQ.D) GO TO 89 C CHECK FOR ERROR	301.	01 05
C READ IN HONTHS C 72 PRINT 7; 72 PRINT 7; 74 FORHAT (* ENTER HONTH NU READ (\$,70,ERR*75,END=53 70 FORHAT (80A1) CALL FREED (CHAR,#UND,H TF (NHON,Eq.0) GO TO 89 C CHECK FOR ERROR	382.	
C 72 PRINT 71 71 FORHAT (" ENTER HONTH NU READ (5,7G,FRR*75,END=53 70 FORHAT (90A1) CALL FREED (CHAR,MUNDIN 1F (NHON:Eq.0) GO TO 89 C CHECK FOR ERRUR	187.	
72 PRINT 71 ENTER HONTH NU 71 FORHAT (* ENTER HONTH NU READ (5,7G; ERR*75, END=53 FORHAT (90A1) 70 FORHAT (90A1) 70 FORHAT (10HON; EQ.) 60 TO 89 C CHECK FOR ERROR	185.	
72 PRINT 71 71 FORHAT (* ENTER HONTH NU READ (5,7G,ERR*75,END=53 70 FORHAT (80A1) CALL FREEFO (CHAR, WUND,N CALL FREEFO (CHAR, WUND,N CC CHECK FOR ERROR	100	
71 FORHAT (" ENTER HONTH NU READ (S.7G.ERR.75.END=53 70 FORHAT (80A1) CALL FREEFO (CHAR. BUND.N TF (NHON.Eq.3) GO TO 89 C	387	12
READ (5,7G,ERR-75,END=53 70 FORHAT (80A1) CALL FREEFO (CHAR, BUND, N 1F (NHON,EQ.D) GO TO 89 C CHECK FOR ERROR	188	FORMAT IS ENTER MONTH NO
70 FORNAT (BOAT) CALL FREED (CHAR, BUNDIN TF (NHON-Eq. D) GO TO BO C CHECK FOR ERRUR	369.	READ (5.70.ERR-75.END=53
CALL FREEFO (CHAR, MUNDIN CALL FINE GO TO BO CALL FOR ERROR	390.	FORMAT (80A1)
C TF (NHON.EQ.J) GO TO BO CHECK FOR ERRUR	391.	CALL FREEFO (CHAR, MUND . M
رين	392.	IF (NHON.EQ.3) GO TO 89
u o	393.	
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	395.	

19   2   2   2   2   2   2   2   2   2	74 FORMAT 74 (MONTHS[1], 181, 74 FORMAT (1x, 14, 10f., 11), 181, 181, 181, 181, 181, 181, 181	
20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	74 FORMAT 74 (MONTHS(1), 191, 74 (MONTHS(1), 191, 191, 191, 191, 191, 191, 191, 1	
2 2 2 2 2 3 3 4 6 8 8 6 5 5 5 5 5 6 8 8 8 6 5 5 5 5 5 5	74 FORMAT 74 (MUNTHS(1), 11-1, 60 TO 80 ERROR	
2	74 FORMAT 74 (MUNTHS(1), 11-1, 60 TO 80 ERROR	
2	74 FORMAT (1X.14.10f14) 60 TO 80 C ENROR C 75 PRINT 56	
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60 PRINT 61 61 FORMAT 1: ENTER DAY BOUNDARIES 1 60 PRINT 61 60 PRINT 61 60 PRINT 61 60 PRINT 62 60 CALL FREEED (CHARLAGRD, DAYS, IMMORDS, 2, 285) 15 (MWORDS, Eq. 1) TODAY 67 15 (MWORDS, Eq. 1) TODAY 67 16 (MWORDS, Eq. 1) TODAY 67 17 (MWORDS, Eq. 1) TODAY 67 18 (TODAY LT. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 19 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 10 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 10 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 10 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 10 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 10 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 10 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 10 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 10 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 10 (TODAY LT. 1 .0R. 1 .0R. FHDAY 67 18 (TODAY LT. 1 .0R. FHDAY 67 18 (TODAY CT. 1 .0R. FHDAY 67 18 (TODAY CT. 1 .0R. FHDAY 67 18 (TODAY	I BY CHINGS DAY IN CARD	
60 PRINT 61  61 FORNAT (: ENTER DAY BOUNDARIES:)  REAU (S,70.END=72.ERR=65) (CHAR!I):1=1,80]  FORDAY = 0  CALL FREED (CHAR!&ORD.DAYS.NWORDS.2.885)  IF (NWORDS.Eq.2) GO TO 90  IF (NWORDS.Eq.2) GO TO 90  IF (NWORDS.Eq.1) TODAY .Eq. 0) GO TO  IF (NWORDS.Eq.1) TODAY .Eq. 0) GO TO  IF (NWORDS.Eq.1) TODAY .GT. 31) GO TO  IF (TODAY .LT. 1 .OR. TODAY .GT. 31) GO TO  IF (TODAY .LT. FMDAY) GO TO 88  C	ביים מים מים מים מים מים מים מים מים מים	
### ### ##############################	80 PRINT	
READ (5,70.END=72,ERR=85) (CHAR[1],1=1,80]  100A7 = 0  11 (MMORDS:6q.2) 60 10 90  12 (MMORDS:6q.1) 100A7 = EMDA7  13 (MMORDS:6q.1) 100A7 = EMDA7  14 (MMORDS:6q.1) 100A7 = EMDA7  15 (MMORDS:6q.1) 100A7 = EMDA7  16 (MMORDS:6q.1) 100A7 = EMDA7  17 (MMORDS:6q.1) 100A7 = EMDA7  18 (MMORDS:6q.1) 100A7 = EMDA7  19 (MMORDS:6q.1) 100A7 = EMDA7  10 (MMORDS:6q.1) 100A7 = EMDA7  11 (MMORDS:6q.1) 100A7 = EMDA7  12 (MMORDS:6q.1) 100A7  13 (MMORDS:6q.1) 100A7  14 (MMORDS:6q.1) 100A7  15 (MMORDS:6q.1) 100A7  16 (MMORDS:6q.1) 100A7  17 (MMORDS:6q.1) 100A7  18 (MMORDS:6q.1) 100A7  19 (MMORDS:6q.1) 100A7  10 (MMORDS:6q.1) 100A7  10 (MMORDS:6q.1) 100A7  10 (MMORDS:6q.1) 100A7  11 (MMORDS:6q.1) 100A7  12 (MMORDS:6q.1) 100A7  13 (MMORDS:6q.1) 100A7  14 (MMORDS:6q.1) 100A7  15 (MMORDS:6q.1) 100A7  16 (MMORDS:6q.1) 100A7  17 (MMORDS:6q.1) 100A7  18 (MMORDS:6q.1) 100A7  19 (MMORDS:6q.1) 100A7  10 (M	BI FORMAT I'S ENTER DAY BOUN	
FMDAY = 0  100AY = 0  CALL FREED  CALL FREED  IF (NWORDS: Eq. 1) 100AY = FMDAY  IF (NWORDS: Eq. 1) 100AY = FMDAY  C CHECK FOR ENROR  C CHECK FOR ENROR  IF (FMDAY : Eq. 0 : AND : 100AY : Eq. 0) GO TO  IF (FMDAY : Eq. 0 : AND : 100AY : Eq. 0) GO TO  IF (FMDAY : Eq. 0 : AND : 100AY : Eq. 0) GO TO  IF (FMDAY : Eq. 0 : AND : 100AY : Eq. 0) GO TO  IF (FMDAY : Eq. 0 : AND : 100AY : Eq. 0) GO TO  G PRINT IS, FMDAY TODAY  GO TO 80  BO WRITE (Eq. 28) FMDAY  GO TO 80  BO WRITE (Eq. 28) FMDAY  GO TO 80  BO WRITE (Eq. 28) FMDAY  GO TO 80  GO TO 80  C KEAD IN TIME BOUNDARIES	REAU 15,70.END-72,ERR-85	
TODAY = 0   CALL FREED (CHARLEORD) DAYS INWORDS 12 1865     If (NWORDS : Eq. 1)	FMDAY . O	
CALL EREEED (CHARLEDRAYS.NEORD.21505)  IF (IMWORDS.Eq.1) TODAY = FNDAY  C CHECK FOR ENROR  C CHECK FOR ENROR  C IF (FNDAY .ET. 1 .0R. FNDAY .GT. 31) GO TO  IF (TODAY .LT. 1 .0R. FNDAY .GT. 31) GO TO  IF (TODAY .LT. FNDAY) GO TO 88  IF (TODAY .LT. FNDAY) GO TO 88  C ERROR  C SS PRINT SS FNDAY, TODAY  GO TO 80  84 WRITE (4,78) FNDAY  GO TO 80  85 MRITE (4,28) TODAY  GO TO 80  86 MRITE (4,28) TODAY  GO TO 80  87 WRITE (4,28) TODAY  GO TO 80  88 MRITE (4,28) TODAY  GO TO 80  89 MRITE (4,89)  C KEAD IN TIME BOUNDARIES	T00AY . Q	
F (NWORDS:Eq.1) GO TO 90   F (NWORDS:Eq.1) TODAY = FMDAY   C	CALL FREEFU (CHAR, MORD, D	
C CHECK FOR ENROR  C IF (FHOAY .E4. 0 .AND. 100AY .E4. 0) GO TO  IF (TODAY .LT. 1 .OR. FHOAY .GT. 31) GO TO  IF (TODAY .LT. 1 .OR. TODAY .GT. 31) GO TO  IF (TODAY .LT. 1 .OR. TODAY .GT. 31) GO TO  IF (TODAY .LT. 1 .OR. TODAY .GT. 31) GO TO  IF (TODAY .LT. FHOAY) GO TO 88  C ERROR  C G TO 80  B MRITE (4.78) FMDAY  GO TO 80  B MRITE (4.28) TODAY  GO TO 80  C C C C C C C C C C C C C C C C C C C	1F (N#ORDS-EQ.3) GO TO 9	
C IF (FMDAY : EQ. 0 .AND. 100AY : EQ. 01 GO TO IF (FMDAY : EQ. 0 .AND. 100AY : EQ. 01 GO TO IF (FMDAY : LT. 1 .0R. FMDAY : GT. 31) GO TO IF (TODAY : LT. 1 .0R. FMDAY : GT. 31) GO TO IF (TODAY : LT. 1 .0R. TODAY : GT. 31) GO TO G	IF INWORDS-EQ-11 TODAY .	ALL THE CONTRACT OF THE CONTRA
C IF (FMOAY .EQ. O .AND. 100AY .EQ. 01 GO TO IF (TODAY .LT. 1 .0R. FMDAY .GT. 31) GO TO IF (TODAY .LT. 1 .0R. FMDAY .GT. 31) GO TO IF (TODAY .LT. 1 .0R. TODAY .GT. 31) GO TO IF (TODAY .LT. FMOAY) GO TO 88  C ERROR C GO TO 80 80 WRITE (4.78) FMDAY GO TO 80 80 WRITE (4.28) TODAY C GO TO 80 80 WRITE (4.89) 80 WRITE (4.80)		
F (FHDAY .E4. 0 .AND. 100AY .E4. 0) 60 TO   F (FHDAY .LT.   .OR. FHDAY .GT. 31) 60 TO   F (100AY .LT.   .OR. FDDAY .GT. 31) 60 TO   F (100AY .LT.   .OR. TODAY .GT. 31) 60 TO   F (100AY .LT.   FHOAY   GO TO 88   S PRINT IS, FHDAY, TODAY   GO TO 80   S WRITE (4.78) FMDAY   GO TO 80   S WRITE (4.28) TODAY   GO TO 80   S WRITE (4.28) TODAY   GO TO 80   S WRITE (4.89)   GO TO 80   C KEAD IN TIME BOUNDARIES		THE RESIDENCE AND ADDRESS OF THE PARTY OF TH
F (FHDAY .LT   .OR FHDAY .GT .31) GO TO     F (100AY .LT   .OR TODAY .GT .31) GO TO     F (100AY .LT   .OR TODAY .GT .31) GO TO     F (100AY .LT   FHOAY   GO TO 86     GO TO 80     GO T	IF (FMDAY .E4. 0 .AND. TODAY .E4. 0) 60 TO	
F (100AY .LT. FMOAY) GO TO 88   10   10   10   10   10   10   10	IF (FHDAY .LT. 1 .OR. FHDAY .GT. 31) GO TO	
63 PRINT 15, FHDAY, TODAY  63 PRINT 15, FHDAY, TODAY  60 10 90  64 WRITE (4,78) FHDAY  60 10 80  87 WRITE (4,78) TODAY  60 10 80  88 WRITE (4,78) TODAY  60 10 80  60 10 80  60 10 80  60 10 80  60 10 80  60 10 80  60 10 80  60 10 80  60 10 80  60 10 80  60 10 80  60 10 80	IF (TODAY .LT. 1 .OR. TODAY .GT. 311 GO TO	The second section is a second section of the second section of the second section is a second section of the sect
63 PRINT 15, FHDAY, TODAY  60 10 90  C 65 10 80  64 WRITE (4,78) FHDAY  60 10 80  87 WRITE (4,78) TODAY  60 10 80  88 WRITE (4,78) TODAY  60 10 80  C 60 10 80  C 60 10 80  C 70 80  C 80 80  C	1F (TODAY .LT. FHOAY) GO TO	
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63 PRINT 15, FMDAY, TODAY  C	, .	
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60 TO 80 69 FORMAT (* ••• INVALID RA 60 TO 80 C C KEAD IN TIME BOUNDAR	87 WRITE (4.78)	
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69 FORMAT (* INVALID RA GO TO 80 C C C C KEAD IN TIME BOUNDAR	88 WRITE (6.89)	
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455.	READ (5.70.END-80.ERR-45) (CHAMII). [-]. 80)
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458	CALL FREEEN CHARD. CORD. MACROS. 2. 4651
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. 16.	103 FORMAT ("YEAR, MONTH, DAY, AND TIME BOUNDARIES WILL BE IGNORED")
492.	
493.	
. 464	C PROCESS ACOUSTIC REQUEST UMLESS ENV. ONLY
.564	
.966	120 IF (RUNTYP-EQ.2) GO TO 212
497.	PRINT 121
.964	21
. 464	
.005	C BYPASS SOURCE/RECEIVER QUESTIONS
.105	
502.	110 WRITE (6,1120)
503.	
. +05	
.535	READ (5, 1130, END-1156, EMR-1150) ANSWER
. 955	1130 FORMAT (A3)
507.	
. 805	114U FORMAT (1)4.A3)
. 605	
	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN 1 WHEN PERSO

IIS3 CONTINUE C PRINT	
1154 00 1153 1 . 1,NSTYPE	
C CHECK FOR ERNOR C C C CHECK FOR ENTRE	
1152 FORNAT 1152 1152 FORNAT ("DENTER SOURCE TYPE(S)") READ (S,70,END=1110,ERR=1155) (CHAR() CALL FREED (CHAR()END)STYPE,NSTYPE,1  IF (NSTYPE,EQ.O) GO TO 1161 C C CHECK FOR ERROR 1154 DO 1153 J = 1,NSTYPE	
GO TO 1110  C READ IN SOURCE TYPES  LIST PRINT 1152  LIST FORMAT ("DENTER SOURCE TYPE[S)")  READ (S,70,END=1110,ERR=1155) (CHARILORD) STYPE, INSTYPE, INSTYPE, INSTYPE  C CHECK FOR ERROR  LIST DO 1153 J = 1,NSTYPE	
1150 4RITE (414)   GO TO 1110     C	
F (4 E G '. UN' 1 E G . 'N' 1 G O TO 135 C ERROR C ERROR C C READ IN SOURCE TYPES C C READ IN SOURCE TYPES C C READ IN SOURCE TYPES C C READ IS, 70, END-1110, ERR-11551 (CHARIOR 116, ERRE C C C C C C C C C C C C C C C C C	

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16.6   1.   1.   1.   1.   1.   1.   1	670.		
16.5   PRINT   1.5   RTPE   11.1   NAME   17.   1.5	571.		
CCLL MAMEIT (5.NTYPE(1), NAME(J), J-1.N  CCLL MAMEIT (5.NTYPE(1))  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	572.	1 . 1 4411 00	The second secon
1164 BRITE (6.137) RTPE(11)   NAME(J1.J=1.N   165 PRINT Sq.   60 TO 1141   167 WRITE (4.78) RTPE(11)   60 TO 1141   172 PRINT 1172   172 FORMAT! 10ENTER SQURCE SYSTEMS! 1)   172 FORMAT! 1172   173 FORMAT! 1172   174 FREED (CHARRAGODSSYSTINSSYSTIL   174 DO 1173   " 1.NSSYST   1.6T. 99)   1173 CONTINUE   175 PRINT   1.0SYST(11)   NAME, NR   1.0SYST(11)   1.	573.	(S.RTYPE(1)	
165   PRINT 54   167   168	574.	66 BRITE (6,139) RTIPE(1).	The second secon
C	575.	60 10 1171	
1145	576.		
165	577.		
1167   PRINT 164   READ IN SOURCE SYSTEMS   1167   PRINT 1172   177   PRINT 1173   PRINT 1174   PRINT 1175	578.		
1107   WRITE (4.178) RTYPE(1)	577.	- X	
1167   WRITE (4.78)   RTPE(11)	.085	00 10	
C READ IN SOURCE SYSTEMS  1172 FORMATION COUNTER SOURCE SYSTEMS IN STATEMS IN SOURCE SYSTEMS IN SOURCE	581.	WRITE	The second of the second secon
C READ IN SOURCE SYSTEMS:  1172 FORMAT! 192	582.	60 10	
1721   PRINT   172     1722   FORHATI   192     1724   FREED   (CHARINORO)   SYSTEM(S)     1724   FREED   (CHARINORO)   SYSTEM(S)     1724   FREED   (CHARINORO)   SYSTEM(S)     1725   CHECK   FOR   FROR     1726   DO   173   - 1, NSSYST     1727   PRINT   SA     1728   FRINT   SA     1729   SYSTI   MAHE   J. J. J. J. J. M. M. E     1729   FRINT   SA     1720   DO   173     1720   FRINT   SA     1720   DO   173     1721   FRINT   SA     1821   FRINT   SA     1822   FORMATI   SA     1822   FORMATI   SA     1823   FORMATI   SA     1824   FORMATI   SA     1825   FREED   CHARRADORO, MSYST   MRSYST   MRSYST     1824   DO   183   - 1, NRSYST     1825   SKYST		9781109 111 11131	the second of the second section and the second second second second section of the second section second second second section second
172   PRINT   172	585.	אראם וא פסטונים	
172   FORMATI'OENTER SOURCE SYSTEMIS)   172   FREAD   5,70.END=1141.ERR=175)   CHAR(1)   CALL   FREED   CHAR   EORD   SSYSTINSTSTICE   CALL   FREED   CHAR   EORD   SSYSTINSTSTICE   CALL   NAME   CALL   C	9	1171 PRINT	A THE PARTY OF THE
READ   5,70,END=  16 ,ERR=  75    CALL FREEED   CHARMEGRED  SSYST NSSYST	587.	1172	
C CHECK FOR ERROR  C CHECK FOR ERROR  C CHECK FOR ERROR  II73 CONTINUE  C DO 1173 I = 1,NSSYST  II73 CONTINUE  C CALL NAME; I "1,NSSYST  C ERROR  C C ERROR  C C ERROR  C C ERROR  C C C ERROR  C C C ERROR  C C C ERROR  C C C C C C C C C C C C C C C C C C C	588.		
	589.	CALL FREEFO (CHAR # CRD SSYST, NSSYST, 10, \$1175)	
C CHECK FOR ERROR  (C DO 1173   * 1,NSSYST  (F (\$SYST(1).LT.1.0R.SSYST(1).61.99)  (C DO 1176   * 1,NSSYST  (C DO 1177   * 1,0ENTER RECEIVER SYSTEMS)  (C C DO 1183   * 1,NMSYST  (C C C C C C C C C C C C C C C C C C C	.065	IF (NSSYST-EQ.01 GO TO 1181	The second of th
C CHECK FOR ERROR  (1)74 DO 1173 1 = 1,NSSYST  (1) CONTINUE  C DO 1176 1 = 1,NSSYST  (ALL NAME!T (4,5SYST(11,NAME,NR))  (ALL NAME!T (4,1391 SSYST(11,NAME,NR))  (ALL PRINT S.6.  (ALL PREED IN RECEIVER SYSTEMS)  (ALL PREED (CHAR,WORD,NSYST,NR	591.		The state of the s
1174   DO   1173   = 1,NSSYST	592.		
17.3   CONTINUE   C   SSYST(11.LT.1.0R.SSYST(11.GT.99)   C   C   C   C   C   C   C   C   C		. 1 177 1 .	The second secon
1173 CONTINUE   PRINT   C   PRINT   C   C   C   C   C   C   C   C   C	. 565	18 (55ver) 15 (10,08,55v5r) 11	
C DO 1176   " 1,NSSYST   " NAHE, NK )   C CALL NAHE; T (4,5SYST(1), NAHE, NK)   C CALL NAHE; T (4,5SYST(1), NAHE, NK)   C C ERNOR   C C ERNOR   C C   ERNOR   C C   C C   C C   C C   C C   C C   C	596.	CONTINUE	The second secon
CALL NAME! " 1,NSSYST  CALL NAME! " 1,NSSYST  CALL NAME! " 1,SSYST(!!),NAME(JI).J=(,N METE (4,139! \$SYST(!!),NAME(JI).J=(,N METE)  C	597.		
CALL MAME! T ". NSSYST (1) , NAME , NK)  CALL MAME! T ". SSYST (1) , NAME (JT. J= 1, NSSYST (1) , NAME (JT. J= 1, NSSYST (1) , NAME (JT. J= 1, NSSYST (1) , NAME (JT. J= 1, NMSSYST (1) , NAME (JT. J= 1, NMSSYST (1) , NAME (JT. NSSYST (1) , NAME (JT. NSSYST (1) , NMSSYST (NAME (JT. NMSSYST (JT.	. 865		
CALL MAME! T (4.5SYST(1), NAME, NR)  CALL MAME! T (4.5SYST(1), NAME, NR)  C	. 665		
CALL NAME IT (4,559/57(11),NAME,NR)  1176 MRITE (6,139) SSYST(11;NAME(J),JFL,N  1177 MRITE (6,78) SSYST(1)  1177 MRITE (6,78) SSYST(1)  CO TO 1171  CO TO 1182  CO CHECK FOR ERROR  CO CO TO 1183 I M 1,NASYST  CO TO	.009	1,85751	
C	. 109	CALL NAME IT (4, SSYST(1)	
C ERROR  (C) ERROR  (C) TO 1171  (G) TO 1171  (G) TO 1171  (G) TO 1171  (G) TO 1171  (C) READ IN RECEIVER SYSTEMS  (C) TO 1171  (C) TO 1183  (C) TO	.709	WRITE (6,137) 55751(11.	
C ERROR C 1175 PRINT 56 1177 MRITE (6,78) SSYST(1) 60 TO 1171 1177 MRITE (6,78) SSYST(1) 60 TO 1171  C READ IN RECEIVER SYSTEMS C READ IN RECEIVER SYSTEMS 1182 FORMAT ('OENTER RECEIVER SYSTEMS)') READ (CHAR' WORD' WSYST') C CHECK FOR ERROR C CHECK FOR ERROR C C CHECK FOR ERROR I (183 1 " 1, NASYST I (185 YST(1) LT 1, OR. RSYST(1) . GT, 99)		01 09	
1175   PRINT 56   GO TO 1171			
1175   PRINT 56   60 TO 1171   1177   MRITE (6,78) SSYST(1)   GO TO 1171   GO TO			
1177   #RITE (6,78) SSYST(1)   GO TO 1171			
1177   WRITE (6,78) SSYSTII)   GO TO 117    GO TO 117    C		INTER COLOR	
GO TO 1171 GO TO 1171 C READ IN RECEIVER SYSTEMS C READ (S.70, END # 1171, ERR# 1185) (CHARITE RECEIVER SYSTEMS)') READ (S.70, END # 1171, ERR# 1185) (CHARITE RECEIVER SYSTEMS)') READ (S.70, END # 1171, ERR# 1185) (CHARITE RECEIVER SYSTEMS)') C C C C C C C C C C C C C C C C C C C		1111 101 00	
C READ IN RECEIVER SYSTEMS  C READ IN RECEIVER SYSTEMS  1181 PRINT 1182  1182 FORMAT ('OENTER RECEIVER SYSTEMIS)')  READ (S. 70, END-1171, ERR-1185) (CHARTI CALL FREEFD (CHARTIMORD, MSYST, NRSYST, I  C CHECK FOR ERROR  C CHECK FOR ERROR  C CHECK FOR ERROR  I H MASYST I H I, MASYST I I G 1.99)  I G RSYSTII).LT.1.0R.RSYSTII).G1.99)		MALIE 161/01	
C READ IN RECEIVER SYSTEMS  [181 PRINT 1182 [182 FORMAT ('OENTER RECEIVER SYSTEMIS)')  [184 FORMAT ('OENTER RECEIVER SYSTEMIS)')  [184 FOR FOR CHARWORD'RSYST.NASYST.  [184 FREEFO (CHARWORD'RSYST.NASYST.  [184 FOR FOR ERROR  [183 1 1 1, NASYST.  [184 FOR 1183 1 1 1, NASYST.  [184 FOR 1183 1 1 1, NASYST.  [184 FOR 1183 1 1 1, NASYST.  [185 FOR		0 0 0 0 0 0	
1181   PRINT   1182	110	DIAJORI VAJO	
		אראה אי מאראי	
		PRINT	
READ (5,70,END=11771,ERR=1185) (CHARIT CALL FREEFD (CHAR.WORD;RSYST.NRSYST.)  IF (NRSYST.EQ.0) 60 T0 135  C C CHECK FOR ERROR C C CHECK FOR ERROR I M 1,NRSYST IF (RSYSTII).LT.10.0R.RSYSTII).GT.99)	615.		
CALL FREEFD (CHAR.WORDINSYST.NRSYST.1 IF (NRSYST.EQ.0) GO TO 135 C CHECK FOR ERROR C C CHECK FOR ERROR 1 183 1 1 1, NRSYST	616.		
C CHECK FOR ERROR C CHECK FOR ERROR C C CHECK FOR ERROR C C C CHECK FOR ERROR C C C C C C C C C C C C C C C C C C	617.	CALL FREEFO (CHAR . WORD . KSYST . NASYST . 10 . \$1185)	
C CHECK FOR ERROR C C C CHECK FOR ERROR 1 1, MRSYST 1 (RSYSTII).GI.99)	618.	IF (NRSyST.Eg.0) 60 TO 135	AND THE PROPERTY OF THE PROPER
C CHECK FOR ERROR C 1 184 DO 1183 1 " 1, MRSYST 1 1.051.99)	.619.		
JIBY DO 1183 1 " 1, MRSYST IF (RSYSTII).GT.99)	620.	CHECK FOR ERRO	The second of the second control of the seco
, 1184 DO 1183 1 4 1, NRSYST IF (RSYSTII).LT-1.0R.RSYST(1).GT-99)	521.		
14 (MSYST(1).LI.1.0M.MSYST(1).61.44)		1184 DO 1183   . I, NRSYST	AND THE PARTY AND ADDRESS OF THE PARTY AND ADD
		( MSYST(   ) + L   +   + OM + MSYST(   ) + 6   + 77	

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629.	CALL NAMEIT (4. RSYST(1),	
630.	1180	
.11.	60 TO 135	
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637.	00 1147 WRITE (4.70) RSYST(1)	
638.	60 10 1141	
639.	,	
646.	READ IN ACOUSTIC DESCRIPTORS	
. 1 + 9	3	
642.	3	
	135 PRINT 136	
	116	
	AK.	
447.		
648	:	
046.		
.050	3	
.159	138 00 137 1-1,NACDCR	
652.		and an execution of the second section is the second section of the section o
653.	3. 137 CONTINUE	
655.		
6562	3	
657.	DO 141 1 . 1, NACDCR	
658.	CALL NAMEIT (	
. 459	#RITE (6,139) ACDCRS(1),	
. 700	U. 139 FORMAT (DX.11) INAO!	
662.	::	
663.	,	
	THE PART OF LAND	The state of the control of the state of the
	11 2 11 12 17 17 17 17 17 17 17 17 17 17 17 17 17	
.699	60 10 135	
670.		
671.		
672.		
674.	191 OF 01 OF 01 OF 01	
675.	0	
676.	3	
677.		
679.		•
.089	160 PRINT 161	
101	171	The second name of the last of

105   NACPAR =   105   NACPAR =   105   NACPAR	LUOP TO MEAD PARAMETERS
20 20 20 20 20 20 20 20 20 20 20 20 20 2	OP TO MEAD PARANETERS
20 20 20 20 20 20 20 20 20 20 20 20 20 2	י י י י י י י י י י י י י י י י י י י
2447	
17. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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000 81 000 81	
C	OPPLY STATE OF STATE
C C C C C C C C C C C C C C C C C C C	
C	
, 621	CHECK FOR PARABLER ARKAT LIMIT
671	
67.	101 20 20 20 20 20 20 20 20 20 20 20 20 20
621	INPUT RESTRICTED TO 10 ACOUSTIC PARAMETERS)
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
5 5 5	
174	STORE MIN. MAX, AND UNIT VALUE IN CASE NOT SPECIFIED
-74	
	-9999999.
	.00000000
	TIAX. # ORO.   # ORO. " X - ORO."   1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
	01 60 10 175
	AR) = 1#0RD(1)
	AR) = #6RU(2)
	. NORU(3)
	Eq99999999 1 160KD(4) = 0
3.	AR) = IBORO(*)
3.	CEORDS - 4
,	CPAR).LT.0) NAMTHOINACPAR) . O
-	- 1
710.	CHECK FOR ERRORS
TIB. IF (ACPARS(I), NACPAR).LT	NACPART LT. OR. ACPART 1. NACPART . GT. 72) GO TO 179
DUM	
CALL CONVRT	(DUM, ACPARS (1, NACPARS (4, NACPARS (4, NACPAR), UNITS)
IF TUNITS(1)	.EgUNITS *) GO TO 182
3	
3	PRINT PARAMETER INFORMATION
CALL	-00000000
	APPENDIX NATIONAL AND
121.	20 10 10 10 10 10 10 10 10 10 10 10 10 10
9 0	17.6
	-
701	AD II TEMP [7] ACOADS (7 MACOAD)MIYS [1] LINING 21
111	יייי בייייי ביייייי בייייייייייייייייי
THE PROPERTY OF THE PROPERTY O	MACPANIAN TOURS T SECOND INTERTITUATIONS
100	TALE TO THE TALE TALE TALE TALE TALE TALE TALE TAL
XII IVINOL ALL	4

741. C 741. C 742. C 743. C 744. C 745. C 745. C 745. C 746. C 746. C 746. C 746. C 747. C 747. C 748. C 74	144
CONTRIBUTE OF THE CONTRIBUTE O	01 09
202 N = NAHTHOUNECPARI  17	01 09
172   F (ANTHOCKAR) = 14N ANTHOCKAR)   17   1   1   1   1   1   1   1   1	01 09
17   1   1   1   1   1   1   1   1   1	01
172   FRINT   1   1   1   1   1   1   1   1   1	01 09
172   F   AHTHDS   1, NACPAR   =   140 RD     172   F   AHTHDS   1, NACPAR   -  1   1   1     173   F   AHTHD   1   1   1   1   1     174   F   AHTHD   1   1   1   1     175   F   A   A   A   A   A   A     176   F   A   A   A   A     177   F   A   A   A   A   A     182   A   A   A   A     183   F   A   A   A     183   F   A   A   A     184   A   A   A     185   A   A   A     185	01 09
72	01
172   FORMAT   1 METHODS: ".I.M. CP   175   PRINT   156   170   165   ERROR   1 METHODS: ".I.M. C   176   176   176   176   176   177   178	
172   FORMAT	(CATION ****)
175 PRINT 56   ERROR   IN HE   176 PRINT 178   ERROR IN HE   178   FORMAT   1 * * * * * * ERROR IN HE   178   FORMAT   1 * * * * * * * * * * * * * * * * * *	
175 PRINT 56 176 PRINT 156 178 FORMAT 178 178 FORMAT 178 182 #RITE 16,781 ACPARS 11, NAC 50 TO 16,781 140RD 141 183 FORMAT 18 *** UNITS CODE** 177 IF INACPAR* E9:11 GO TO 13 NACPAR* NACPAR* 1 16.1 11.31 181 NACPAR* NACPAR* 1 16.1 11.31 181 NACPAR* NACPAR* 1 16.1 18.1 18.1 18.1 18.1 18.1 18.1 18	CATION
175 PRINT 56   176 PRINT 156   176 PRINT 178   178   178   178   178   178   187	11CATION ****1
176 PRINT 56  176 FRINT 178  178 FORMAT 1: *** ERROR IN ME  187 HRITE 16.781 ACPARS(11, MAC  50 TO 16.7  183 FORMAT 1: *** UNITS CODE*  183 FORMAT 1: *** UNITS CODE*  180 PRINT 12. (CHARII), 1=1.31  181 HACPAR *** NACPAR *** 1  181 FORMAT 1: 0  212 PRINT 211  211 FORMAT 1: 0  READ IN ENV DESC	ALID!
175 PRINT 56 176 FORMAT 17 ** ** ERROR IN ME 177 FORMAT (** ** ERROR IN ME 182 ** FORMAT (** ** ** ONITS CODE** 183 FORMAT (** ** ONITS CODE** 177 IF (MACPAR** Egg. 1) GO TO 13 NACPAR ** MACPAR ** 1 181 MACPAR ** MACPAR ** MACPAR ** 1 181	(ALID ****)
176   PRINT   176     178   FORMAT   1 * * * * * * * * * * * * * * * * * *	ALID ****)
176   PRINT   178	CATION ****
78   FORMAT   1	ALID)
179 60 TO 167 182 60 TO 167 183 FORMAT (1 000 UNITS CODE 9 183 FORMAT (1 000 UNITS CODE 9 177 IF (MACPAR: EG. 1) GO TO 13 MACPAR " NACPAR - 1 60 TO 167 60 TO 167 181 MACPAR " NACPAR - 1 181 MACPAR " NACPAR - 1 181 MACPAR " NACPAR - 1 20 TO 18 12 (CHARLL) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ALID ••••1)
179 BRITE (6,78) ACPARSII, MACPAR)  182 GG TO 147  183 FORRAT (1 *** UNITS CODE*,15,**  C C C C C C C C C C C C C C C C C C	ALID)
182   #R TE	(ALID ****)
182 #RITE (6.183)   40RD141   183   60E*, 15.*   60 TO 167   60 TO 135   60 TO	(ALID ****)
183   FORRAT	(ALID ****)
177   IF (NACPAR.E9.1) GO TO 135     NACPAR	
177 IF (NACPAR-E9:1) GO TO 13 NACPAR " NACPAR - 1 60 TO 167  190 PRINT 12 (CHARLL) [1:1.3] 181 NACPAR " NACPAR - 1 181 NACPAR " NACPAR - 1 2 PRINT 211 212 PRINT 211 211 FORMAT (10 READ IN ENV DESC	
177	
190   PRINT   12 (CHARLI)	
60 10 16.7 180 PRINT 12. (CHARIL) 11-11-31 181 HACPAR - NACPAR - 1 C END OF ACOUSTICS C END OF ACOUSTICS	
180   PRINT 12 (CHAR(1))   1 = 1 : 3]	
90   PRINT 124 (CHARIII)   1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
181 NACPAR - NACPAR - 1  C	
END OF ACOUSTICS  C END OF ACOUSTICS  C END OF ACOUSTICS  210 IF IRUNTYP-EQ-11 GO TO 90  211 FORMAT (10 ENVIRONME  C READ IN ENV DESC	
END OF ACOUSTICS  C END OF ACOUSTICS  C END OF ACOUSTICS  210 IF IRUNTYP-EQ-11 GO TO 90  211 FORMAT (10 ENVIRONME  C READ IN ENV DESC	
ZID IF IRUNTYP.EQ.1) GO TO 90 ZIZ PRINT ZII ZII FORMAT ('O READ IN ENV DESC	
ZID IF IRUNTYP-EQ-11 GO TO 90 ZIZ PRINT ZII ZII FORMAT (10 ENVIRONME	
212 IF IRUNTYP.EQ.11 GO TO 90 212 PRINT 211 211 FORMAT (10 ENVIRONME	
212 PRINT 211 211 FORMAT (*0 ENVIRONME C READ IN ENV DESC	
211 FORMAT ("D ENVIRONME C READ IN ENV DESC	
211 FORMAT (10 ENVIRONME	
C READ IN ENV DESC	(18)+)
C READ IN ENV DESC	
3	
·	
235 PRINT 236	
. 236 FORMAT ("DENTER ENVIRON	2108(5)*)
READ (5,70, ERR=240, END=	(09:1=1
787. CALL FREEFD (CHAR, BORD, ENDCRS, NENDCR, 10	10,8240)
788. IF INENDER-E9-01 GO TO 260	
3	The second secon
238 DG 237 1 I . NENDCR	
. IF (ENDCRS(!) .LT. 1 .OR.	ENOCHSIII .GT. 993 GO TO 242 W TABLE LIMIT 99
794. 237 CONTINUE	

796.	
	-
798.	50 239 1 = 1.NENDCR
199.	CALL NAMEIT (7. ENDCRS(1), NAME, NA)
800.	ARTIE (6.134) ENDCASCIT, (NAME (J). CHINR)
801. 239	CONTINUE
802.	G0 T0 26C
863. C	
	ERROR
865. C	
	240 PRINT SA
	01 09
2000	2 4
	MAILE (6, 78)
-	10 738
	BACKUP
613.	IN CHUNTYPIEGO SO GO TO TO
-	05 01 09
817.	
	READ ENVIRONMENTAL PARAMITERS
-	
821. 260	PRINT 261
823.	(S) / ENTER "END!!!)
	MENPAR . O
825. C	-
	LOOP TO READ THEM
1	
827. 267	PRINT 170, NENPAR
830.	AD (5,70.END=277,ENR=275
631.	IF (CHARIL) Eq. 10 ZBO
937.	24004 031
-	CHECK TON TAXABLEN ARRAIL
	2
837. 273	BRILL FORCE INDIA RESTRICTED TO TO TO BENETERS OFF
-	
839.	60 10 281
840.	
	NORD(2) = -9999999.
	*ORD(3) .
843.	
. + + 0	CALL FREED (CHAR WORD NEGADS 14.8275)
845.	IF INMORDS.EQ.01 GO TO 275
846.	ENPANSI, NENPANSI - LEONDIS
847.	
848.	EEDULY (3. NEVPAR) = BORO (3)
849.	1
850.	1410
No. of Particular Part	The same of the sa

				÷
1 1				
:				
:				
ROGRES				
z -				
EARC				
5:				
FORMAT (*2*** SEANCH IN F METUNN END				
A P A B A B A B A B A B A B A B A B A B				
2 2				-
3 - 2 - 2				
		A-72		

5. C TABLE OF 5. C TACTORS 8. C DOUBLE P 10. C PUT UNIT 11. C PUT UNIT 12. C DATA (EN	TABLE OF INTENSITY LEVEL CONVENSION FACTOMS.
	1
	INTEGER ENTRY (3,3), UMITSIM, UNICDE
<b>.</b>	ARE DOUBLE PRECISION.
J J J J J	DOUBLE PRECISION FACTOR(3)
	PUT UNIT CODES INTO ENTRY,
	DATA (ENTRY(1,1),101,3)/74,75,76/
	PUT IN ALPHA UNITS.
•	DATA (IENTRY (1: J) 1 1 2 3 3 1 3 J 1 4 4 1 1 5 7 1 4 4 6 2 4 4 6 6 2 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	ENTER INTERNAL UNITS.
UNITS(3)=-BATT	UNITS(4)="MATTS/"
91	UNICDE-D. THEN SET CODE TO STANDARD UNITS.
	IF IUNICDE, 69.01 UNICDE 74
	SET CONVERSION FACTORS.
	DATA (FACTOR(1),1-1,3)/100,1.004,1.004,
	INITIALIZE "UNITS" TO ERROR MESSAGE IN CASE CODE NOT FOUND.
C UNITS(1)	UNITS(1)UNITS .
	UNITSIZI . FERROR .
30	CODE IS IN TABLE, PERFORM CONVERSION, ALSO, ENTER UNITS ALPHA
39. C COD	CODE INTO 'UNITS'.
	CODE - TABLE ON COE
00 2 1-1,3	1,3
16 11 1000	IF (ICODE NE ENTRY (1,1)) GO TO 2
IF tunico	DE-LT-0) WALUE-FACTOR(I)
UNITSELL	1
	UNITS(2)=ENTRY(3,0)
49. C AT THIS	AT THIS POINT, CONVERSION IS COMPLETE.
3	1
RETURN	
, C 6156, CH	ELSE, CHECK REST OF TABLE.

N. INTENS .. INTENS

DF OR . S.

	PRINT 101, 1CODE 101 FORMATI : ERROR-UMIT CODE : REUGN END
	•
	RETURN
Other transfer of the state of	ILL FORMATIC FRORUNIT CODE.
TOTAL TOTAL OCCUPANT	C IF CODE NOT FOUND, RETURN &
THE COST NOT COSC LIT. WHITE LEGGE. IN CONTROL OF CO	2 CONTINUE

C CRITERIA. THE EXPERIMENT, CRUISE, STATION, AND RUN NUMBER FOR EACH	
IMPLICIT INTEGER (A-Z)	
COMMON /RUN /PURA, RILAT, RINS, NFLAT, RFNS, RILON, RIEW, MFLON, RFEB.	
RIMO, RIDA	
S. RELON, NAVCOD, DTASKC, SYSRCK, SKCTYP, RCRTYP,	
SEASTA, SEDONE, SECONT, SELDIR, SELTI,	
STICNI, SELPRO, SPOUNT, BERTHR, BOTOPH, UPHUNI, BIASLP.	
BATHY . INFO(9) . RSTAT(2) . RUNNO	
事を リー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	
T ( . I INVENTORY OF R	
0, CRUISE . T58,	A CAMPAGNA AND AND AND AND AND AND AND AND AND A
2168, RUN./T3, TYPE. TIS, NUMBER, T23, EXPER, NAME. T39.	
ERENCE . 150 . NUMBER	
10 CAL GETAIN AATTGE FYBRIC CRIMO.STAND CITI	
CALL NAMEIT (1, EXPRO, NAM	
- NR	
AFTE (A. 15) (NAME(1), (AND NO), CRUNO, CLANO, EVENO.	
LINAME(II, I=I, NA.2)	
15 FORMAT (139, (*, 46, 42, 150, 14, T88, 14, T67, 14, T2, ACOUSTIC. 115, 14,	
12x13x61	
20 MATTE (4.21) (NAMECT) TENE NA) CRUNO STANO RUNNO EXPNO.	
I (NAME (1), I=1, NR2)	
21 FORMAT (139." (".A. A. 12. 150. 14. 158. 14. 167. 14. 12. ENVIRONMENTAL". 115.	
LANCAS TO THE TOTAL TO THE TOTAL TO THE TOTAL TO	
3D RETURN	
	THE RESIDENCE OF THE PROPERTY

J.	SUBROUTINE LINEARIVALUE, UNICUE, UNICU
J	TABLE OF LINEAR MEASURE CONVERSION FACTORS,
	INTEGER ENTRY (3,121, UNITS (4), UNICOE
	FACTORS ARE DOUBLE PRECISION.
	DOUBLE PRECISION FACTOR(12)
	FUT UNIT CODES INTO ENIRY.
3:	DATA (ENTRY(1,11,1=1,121/2,3,4,5,6,7,8,9,10,11,12,66/
	PUT IN ALPHA UNITS.
	DATA ((ENTRY(1, J), 1=2, 3), Je1, 12) " MILLIM", "ETERS ",
	ETERS ', "HETERS', "
	KILONE, TERS , INCHES, ,
21.	KDS
22.	ILES ', FATHON', 'S
24. 6	1
U	UNITSI 1   - METERS.
u	UN:15(4)
	IF UNICDE - U, THEN SET CODE TO STANDARD UNITS.
,	If lunicoe. Eq. 01 unicoe 4
0.0	SET CONVERSION FACTORS:
'	DATA (FACTOR([],  -1,121/.dd[D0,.dlD0,1D0], 2.54ddd5D-2, .3n46ud6D0.9144019217D0,9.14019217D2, 1.852UJ,1.40935GJ,1.8288G36D0,1.00-4/
45.	IF CODE IS IN TABLE, PERFORM CONVERSION. ALSO, ENTER UNITS ALPHA
3	
	ICUDE * IABS (UNICUE)
10 to	IF (ICODE, NE. ENTRY (1, 1)) GO TO 2
17.	IF CONICOE.GE.O) VALUE "VALUE" FACTOR!!
-	UNITS(J)-ENTRY(J+1,1)
52: 6	AT THIS POINT, CONVERSION IS COMPLETE.
-	

-											-							
																-		
	-																	
-																-		
			·UNITS .		ABLEST													
-			WITH "UNITS ERROR" IN .UNITS		113." NOT IN LINEAN TABLE.")													
			STINO		NOT IN													
	OF TABLE.		2		. 300													
			IF CODE NOT FOUNDS RETURN	UNITSILLE UNITS .	OR UNIT													
	. CHECK REST	INDE	ODE NOT	5(1) ER	ATI ERR	Z												
	£1.5£,	2 CONTINUE	IF C	N N N	101 FORM	END												
1			9.	63.		67.												
5	5	3. 3.				1				A	-77							

	SUBROUTINE LNGTMELYALUE, UNICUE, UNITSI
	C TABLE OF LHGTME MEASURE CONVENSION FACTORS.
.:	
	FACTORS ARE DOUBLE PARE 1510M.
	COURTE PRECISION FACUATION
	PUT UNIT CODES INTO ENTRY.
:::	DATA (ENTRY(1,1),1=1,2)/26,27/
	C PUT IN ALPHA UNITS.
	DATA ((ENTRY(1,J), 1-2,31,J*1,2)/*MONTHS*10
	C ENTER INTERNAL UNITS.
	UNITS(1)
	C IF UNICOE THEN SET CODE TO STANDARD UNITS.
	IF CUMICOE.E4.0) UNICOE 26
	C SET CONVERSION FACTORS.
	DATA (FACTURELL),1-1,21/100,1200/
32. 33.	C IF CODE IS IN TABLE, PERFORM CONVERSION. ALSO, ENTER UNITS ALPHA C CODE INTO 'UNITS';
	100
9.	00 2 1-1.2 IF (1C00 E.NE. ENTRY (1,11) GO TO 2
. 6	IF (UNICOE, GE.O) VALUE * VALUE * FACTOR(!)
	DO 1 Jal. 2
42.	UNITS[J]=ENTRY[J+1,1] 1 CONTINUE
	C AT THIS POINT. CONVENSION IS COMPLETE.
	NAULTAN
	C ELSE, CHECK REST OF TABLE.
50.	2 CUNTINUE
*	C IF CODE NOT FOUND, RETURN WITH "UNITS ERROR" IN "UNITS".

		1 1 1									
										-	
									•		
										-	
	-										
	CODE 131" NOT IN LONG TINE TABLE )										
	5 TINE										
	N CO										
	o v										
	161131										
	11 600										
1 TS .	000 E										
1 UN	101,10										
UNITSC	FORNATION ERRORUNIT CENOR										
	3										
							-				
8 8	5 5 5 6				A-7						

	SUBROUTINE MSGCVTIMSGNO1. HSGNO2. LATI, LONI, LATZ, LUNZI
	LATITUDES AND LONGITUDES OF TWO
	C INITIALIZE THE FIRST SQUARE.
	CONTRACTOR OF THE PROPERTY OF
	DTO GET LONG
	-
-	SGN=1 DSIGN FOR MORTHERN HEMISPHERE.
	2
-	
	00.00×.85@.61.6233 60 TO 4
	SCHEETS - SALUESTERN FOR COMPANY SCHOOL
	C BRANCH TO CALCULATIONS.
	5 00 00
-	4 (F(MSQ.GT.623) MSQeMSQ-613
	1150-1150-1
-	CALCULATE LONGITUDE AND LATITUDE.
	LATII - HSD / 36 - I Sch-LT Sub-LT Su
	C ADJUST LONGITUDE TO ABSILONITI . LE, 180.
	I CONTRACTOR CONTRACTO
-	4
	C IF DONE WITH THIS CASE, RETURN.
	IF(1.64.2) GO 10 99
	INITIALIZE FOR SECUND SAUARE.
	L 150e=1
	NAG-MAGNOZ INZ MINDICATES SECOND SOUARE IN PROCESS.
~	START SECOND PASS.

(Separation of the control of the co				
1000				
1000				
(0.000)				
(SMBM)				
(Seption)				
(888)				
	0000			
See	99 LON1=LON(21-1300 LON2=LON(11-1300 LATI=LAT(2)-1300 LATZ=LAT(11-1300 RETURN END			
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		A-81	

AD-A038 892

NAVAL SEA SYSTEMS COMM ND WASHINGTON D C
NAVSEA OCEAN ENVIRONMENTAL ACOUSTIC DATA BANK - NAVDAR - IN SUP-ETC(U)

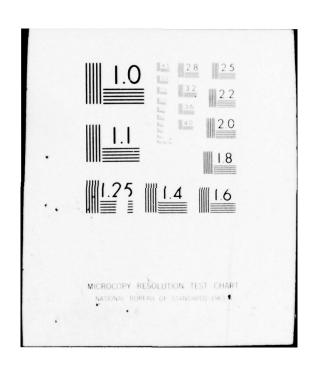
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SUBROUTINE NAMELT LISET	, ICODE , MAKE , MR )
	•••••••••••••••••••••••••••••••••••••••
C ENERIMENT PARAMETERS (TAB	ABL 6 1 0     6 0 1 6 5 5 6   ABT   4 0 1 0
	INDICE-INDICS - NATIO - I
2.1.361	-
2. C CLASSIFICATION PARAMETERS 3. PARAMETER TITS-TIME-11.	RS (TABLE 17)
PARANETER	014E+1,14017E= B017S+NRT17-1
6. Core ISETal	
PARAMETER	1.79E-195-24, MRT9-14
19. PARAMETER INDOS-18017E	176+1, 1#096+1#19-1
C 15£ 1•4	
Cooo SYSTEM (SOURCE	KANETEKS (TABLE 11)
24. PARAMETER IMDIISATURE-LIT	711E4711864NRT11#3
	AMETERS (TABLE 12)
29. PARAMETER TIZSOTILE+1.	0
30. C	
31: COOO DATA SOURCE PARAMETERS	(TABLE 10)
PARAMETER	-1.110E-7105-29,MRT10-9
	D12E+1,14D10E=1#D10S+NAT10-1
15£1.7	
COOL ENVIR RUN PARAMETERS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	10E+1,1mD75+NR17-1
COOO ACOUSTIC RUN PARAMETERS	(TABLE 4)
	113473,000
	76-1, 18046-18045-MAT4-1
445.	
C DINENSIONING	
PARAMETER	NHAXI of TE, NHAX Zeldo 4 , NGRF of
DIMENSION INDESTINGRALLING	I BOLNMAKZ), NAME ( I ) INDENO I NGRPI I NGRPI I I OFSTR (NGRPI
DIMENSION ICINGRE	
THE PERSON AND THE PE	AN ISSUED THAT THAT THERE

	SATA CINDXNDCII, Tel. NGRPI	
	1 116E, 117E, 17E, 111E, 113E, 176, 17E, 14E/	
,	NRT16,NRT17,NRT9,NRT11,NRT12,NRT10,NRT7,NRT4/	7.NRT4/
.1.	DATA (10(11),1=1,46PF)/	
::	Cooos EXPERIMENT WANES (TABLE 16.	1981-01
.59	DATA (18080(1), InT165, T166)	O ICDE, MEDS, OF SET
	1 'FASOR 1 (REF! 624-0051',	
::	REF1 024	2,5,5
	10:030	1
70.	ASKA IR	•
11.	REF! 14	•
72.	1/30) /1	7
	G STASOR III (REF) 027-0017 .	97979
76.	(AEF! 08	-
76.		Z
	Cocoo EXPERIMENT OFFSETS	
	D.S. 10.14.20.26.31.36.41.47/	
.00		
::	Cooo CLASSIFICATION NAMES (TABLE 17)	0 ISET®2
	DATA (180RD(1), 1911/2, 1727	O ICOR, MEDS, OF SET
::	2 CONFIDENTIAL	2,2,2
.98	J 'SECRET'	1,1,4
. 90	• 1	BEND SECUR MAS
	C CLASSIFICATION OFFSETS DATA (180(1),1=180175,180175)/	
.68	1 0.2.4/	
	Coote MAVIGATION NAMES (TABLE 9)	A ISETAL
92.	T95.79E)	-
::	1 'NOT AVAIL OR APPL'S	0 1,3,0
95.		
.96		
	TOTAL TELE MOTES .	
100	• OECCA .	
- 19	6 .OMEGA	
163.	· SHORAN'	9 10,1,18
	2 'COMB SEE NOTES '.	
135.		1
166.	4 'ACOUSTIC "	
107.	_	DEND NAV NAS
. 63	COOCO NAVIGATION OFFSETS	
	A CONTRACTOR OF THE CONTRACTOR	

C ITPE NAMES (SOUMGINESUR) (TABLE 12)  DATA (INORDIT) (-1125.T12E)/  2 'NOT APLATO.  2 'OMNI MYDROPHONE '.  5 'OMNI MYDROPHONE '.  6 'OLK, PROJ. CW PULSED '.  7 'SUS CHARGE, NEW! '.  8 'ONNI PROPHONE '.  1 'VERT HYDROPHONE STRING '.  1 'VERT ARBAY '.	9 15 1 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
2 'SUS CHARGE, MKG2 '. 3 'OHMI, PROJ, - FN PULSED '. 4 'DIR, PROJ, - FN PULSED '. 5 'OTA (IMD(1), 1=180125, 18012E), 6 'OATA (IMD(1), 1=180125, 18012E), 7 'C DATA SOURCE NAMES (TABLE 10) DATA (IMBRD(1), 1=1195, 1961/	9 9 9 9
1 SACHICAL, PREIMINARY 3 GRAPHICAL, PREIMINARY 4 TABULAR, PUBLISHED 5 TABULAR, PUBLISHED 6 PUNCHED CARDS 7 MAG. TAPE, DIGITAL.; 9 PUNCHED PAPER TAPE.	0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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-	SUBROUTINE NOTE (DATA)
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	10 FORMAT (* THERE ARE NO NOT 125, CRUISE (*15) 60 TO 10 GO FORMAT (34, END*) RETURN END*)	10 FORMAT (* THERE ARE NO NOT 125, CRUISE (*15) 60 TO 10 GO FORMAT (3x, END*) 810 RETURN END*)	FORMAT ('THERE ARE NO NOT 1725, CRUISE (4,15) 60 TO 10 WRITE (4,910) FORMAT (31, 'END') RETURN END	FORMAT ('THERE ARE NO NOT 1725, CRUISE (4,910) FORMAT (34, END') RETURN END	FORMAT ('THERE ARE NO NOT 1725, CRUISE (4,15) 60 TO 10 FORMAT (31, 'END') RETURN ENO	FORMAT ('THERE ARE NO NOT 1725, CRUISE (6, 15) 60 TO 10 FORMAT (34, END') RETURN END	FORMAT ('THERE ARE NO NOT 1725, CRUISE (4,15) 60 TO 10 FORMAT (34,'END') RETURN END	FORMAT ('THERE ARE NO NOT 1725, CRUISE (4.15) 60 TO 10 WRITE (4.910) FORMAT (31, 'END') RETURN END	FORMAT ('THERE ARE NO NOT 1725, CRUISE (6) 15) 60 TO 10 FORMAT (34, END') RETURN ENO	FORMAT ('THERE ARE NO NOT 1725, CRUISE (4.15) 60 TO 10 FORMAT (34, *END') RETURN ENO
FORMAT (** THERE ARE NO NOT 1725, CRUISE (*,15) 60 TO 10 FORMAT (34, END*) FORMAT (34, END*) FORMAT (34, END*)	100 FORMAT (1 THERE MO NOT 125, CRUISE (4,910) 900 PRITE (4,910) FORMAT (13x, END.) RETURN END.)	100 FORMAT (1 THERE ME NO. 15) 50 TO TO TO FORMAT (131, END.) FORMAT (131, END.) RETURN END.	FORMAT ( 1 THERE ARE NO NOT 1725, CRUISE (4,910) FORMAT (34,'END') RETURN (134,'END') END')	FORMAT ("THERE ARE NO NOT 1725, CRUISE (4,15) FORMAT (34,10) FORMAT (34,10) FORMAT (34,10) FORMAT (34,10) FORMAT (34,10) FORMAT (34,10)	FORMAT (*** THERE ARE NO NOT 1725, 'CRUISE (**15) 60 TO 10 FORMAT (34, END') FORMAT (34, END') FORMAT (34, END') ENO	FORMAT (116) EAR NO NOT 1725, CRUISE (4,910) FORMAT (31,°END°) END RETURN (131,°END°) END	FORMAT (** THERE ARE NO NOW 1725, 'CRUISE (*,15) 60 TO 10 FORMAT (34, END') FORMAT (34, END') FORMAT (34, END') FORMAT (34, END')	FORMAT (1 THERE ARE NO NOT 1725, 'CRUISE (15) (15) (20 TO 10) (10) (10) (10) (10) (10) (10) (10)	FORMAT ("THERE ARE NO NOT 1725, CRUISE (15) FORMAT (13, 'END')	FORMAT (** THERE ARE NO NOT 1725, 'CRUISE (*,15) 60 TO 10 FORMAT (34, END') FORMAT (34, END') FORMAT (34, END') FORMAT (34, END')
FORMAT (* THERE ARE NO NOT 1755. CRUISE (* 15) (O TO 10)	100 WRITE (6,110) EXMO, CRUNO 110 TORNAT (* THERE ARE NO NOT 1725, CRUISE (*,15) 60 TO TO TO FORMAT (3x, EMD*) RETURN END	100 WRITE (6,110) EXMO, CRUNO 110 TORNAT (* THERE ARE NO NOT 1725, CRUISE (*,15) 60 TO TO TO 60 TORNAT (3X, "EMD") RETURN END	FORMAT (* THERE ARE NO NOT 1755 * CRUISE * 155 P	FORMAT (* THERE ARE NO NOT TO THAT (* THERE ARE NO NOT TO T	FORMAT (* THERE ARE NO NOT 1725. 'CRUISE ".15)  GO TO 10  WRITE (4.910)  FORMAT (34."END")  RETURN  ENO	FORMAT (* THERE ARE NO NOT 1755. CRUISE (* 15) FORMAT (31, END*)  RETURN (50 CRUISE (* 15) FORMAT (31, END*)	FORMAT (* THERE ARE NO NOT 1725, 'CRUISE (* 15) B. T.	FORMAT (* THERE ARE NO NOT 1755 * CRUISE * . 15) GO TO 10 WRITE (4.910) FORMAT (31. * END*) RETURN ENO	FORMAT (" THERE ARE NO NOT 1755. CRUISE ". 15)  GO TO 10  WRITE (4,910)  FORMAT (34. END")  RETURN  END	FORMAT (** THERE ARE NO NOT 1725, 'CRUISE (** 15) FORMAT (34, 'END')  FORMAT (34, 'END')  FORMAT (34, 'END')  FORMAT (34, 'END')
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FORMAT ('THERE ARE NO NOT 1725, CRUISE '15)  GO TO 10  FORMAT ('THERE ARE NO NOT 1725, CRUISE '15)  FORMAT ('THERE ARE NO NOT 1725, CRUISE '15)  FORMAT ('14, 10)  FORMAT ('15, 10)  FORMAT ('15	100 WRITE (4,110) EXNO, CRUND 110 FORMAT (* THERE ARE NO NOT 1125, *CRUISE *,15) 1725, *CRUISE *,15) 900 WRITE (4,910) FORMAT (3x,*END*) RETURN END	100 WRITE (4,110) EXNO, CRUND 110 FORMAT (* THERE ARE NO NOT 1125, *CRUISE * 15) 60 TO 10 FORMAT (3x, *END*) RETURN END	FORMAT ('THERE ARE NO NOT 1725, 'CRUISE '15)  GO TO 10 FORMAT ('A. 910)	FORMAT ('THERE ARE NO ROWN FORMAT ('THERE ARE NO NOT 1725, 'CRUISE ', 15)  FORMAT ('THERE ARE NO NOT 1725, 'CRUISE ', 15)  FORMAT ('1 THERE ARE NO NOT 1725, 'CRUISE ', 15)  FORMAT ('1 THERE ARE NO NOT 1725, 'CRUIN TO NOT 1725,	FORMAT ('THERE ARE NO NOT 1725, 'CRUISE '.15)  GO TO 10  FORMAT ('THERE ARE NO NOT 1725, 'CRUISE '.15)  FORMAT ('SA', END')  FORMAT ('SA', END')  FORMAT ('SA', END')	FORMAT ("THERE ARE NO NOT 1725, "CRUISE "15)  FORMAT ("THERE ARE ARE NO NOT 1725, "CRUISE "15)  FORMAT ("THERE ARE ARE ARE ARE ARE ARE ARE ARE ARE	FORMAT ('THERE ARE NO NOT 1725, 'CRUISE ', 15)  FORMAT ('THERE ARE NO NOT 1725, 'CRUISE ', 15)  FORMAT ('THERE ARE NO NOT 1725, 'CRUISE ', 15)  FORMAT ('A. 910)	FORMAT ('THERE ARE NO NOT 1725, 'CRUISE '15)  GO TO 10 FORMAT ('SE'15) FORMAT ('SE'END') RETURN END	FORMAT ("THERE ARE NO NOT 1725, "CRUISE "15)  FORMAT ("THERE ARE NO NOT 1725, "CRUISE "15)  FORMAT ("SE" "END")  FORMAT ("SE" "END")  FORMAT ("SE" "END")	FORMAT ('THERE ARE NO NOT 1725, 'CRUISE ', 15)  GO TO TO TO FORMAT ('S 15)
FORMAT (* THERE ARE NO NOT 1725, CRUISE *.15) GO TO 10 FORMAT (* 110) EXNO, CRUINO 10 FORMAT (* 110) FORMAT (*	100 BRITE (4,110) EXNO, CRUNO 110 FORMAT (* THERE ARE NO NOT 1725, *CRUISE *,15) 60 TO 10 FORMAT (3x,*END*) RETURN END	100 BRITE (4,110) EXNO, CRUNO 110 FORMAT (* THERE ARE NO NOT 1725, *CRUISE *,15) 60 TO 10 FORMAT (3x,*END*) RETURN END*	FORMAT ("THERE ARE NO NOT 1725, CRUISE "15)  1725, CRUISE "15)  FORMAT ("THERE ARE NO NOT 1725, CRUISE "15)  FORMAT ("S", "END")  FORMAT ("S", "END")  FORMAT ("S", "END")	FORMAT (* THERE ARE NO NOT 1725, CRUISE *.15) GO TO 10 FORMAT (* 14, 10) FORMAT (31, * END*) FORMAT (31, * END*) FORMAT (31, * END*)	FORMAT (* THERE ARE NO NOT 1725, CRUISE *.15) GO TO 10 FORMAT (* 13, * END*) FORMAT (34, * END*) FORMAT (34, * END*) FORMAT (34, * END*)	FORMAT ("THERE ARE NO NOT 1725, CRUISE "15) FORMAT ("THERE ARE NO NOT 1725, CRUISE "15) FORMAT (34, END") FORMAT (34, END") FORMAT (34, END") FORMAT (34, END")	FORMAT (* THERE ARE NO NOT 1725, CRUISE *.15) GO TO 10 FORMAT (* 110) EXNO, CRUINO 10 FORMAT (* 110) FORMAT (*	FORMAT ("THERE ARE NOT 1725, CRUISE "15) FORMAT ("THERE ARE NO NOT 1725, CRUISE "15) FORMAT ("14, END") FORMAT ("14, END") FORMAT ("14, END") FORMAT ("14, END")	FORMAT (* THERE ARE NOT 1755, CRUISE *.15)  GO TO 10  WRITE (4,910) FORMAT (31,*END*) RETURN END	FORMAT (* THERE ARE NO NOT 1725, CRUISE *.15) GO TO 10 WRITE (4,910) FORMAT (34, END*) FORMAT (34, END*) FORMAT (34, END*)
FORMAT ('THERE ARE NO HOT TASE ARE NO HOT TASE ARE NO HOT TASE '15)  GO TO 10  WRITE (4,910) FORMAT (31,"END") END END	100 WRITE (4,110) EXMO, CRUNO 110 FORMAT (* THERE ARE NO NOT 125, CRUISE (*,15) FORMAT (3,10) 910 RETURN (3,10) 12, END')	100 WRITE (4,110) EXMO, CRUNO 110 FORMAT (* THERE ARE NO NOT 1725, **CRUISE **15) 60 TO 10 FORMAT (31, *END*) RETURN ENO	FORMAT ('THERE ARE NO TORNO, CRUNO TORNAT ('THERE ARE NO NOT 125.'CRUISE ('15) FORMAT ('14, 10)	FORMAT (* THERE ARE NO HOT TASE (*, 15)  GO TO 10  WRITE (4, 910) FORMAT (34, *END*)  RETURN ENO	FORMAT ('THERE ARE NO HOT FORMAT ('THERE ARE NO HOT FORMAT ('15)  GO TO 10  WRITE (4,910) FORMAT (31,"END") END  END	FORMAT (* THERE ARE NO NOT 125, CRUSS (* 15) FORMAT (* 14) (* 15) FORMAT (* 15)	FORMAT ('THERE ARE NO HOLD FORMAT ('THERE ARE NO HOLD FORMAT ('15) FORMAT (31, 'END') END END	FORMAT ('THERE ARE NOT 175, CRUNO 175, CRUSE (110) EXNO, CRUNO 175, CRUSE (110) FORMAT (34, END') FORMAT (34, END') FORMAT (34, END')	FORMAT (* THERE ARE NO NOT 125, CRUSS (* 15) (* 15) (* 10) (* 15) (* 15) (* 15) (* 16)	FORMAT ('THERE ARE NO NOT 1755 (COUND FORMAT ('THERE ARE NO NOT 1755 (COUND FORMAT (31, "END") FORMAT (31, "END")
## 10 10 EXNO, CRUND FORMAT ( THERE ARE NO NOT 1725, 'CRUISE ( 15) FORMAT ( 1,910) FORMAT ( 1,	100 WRITE (6,110) EXMO, CRUND 100 FORMAT (* THERE ARE NO NOT 125, CRUISE (6,15) (6,15) (6,010) (6,010) (7,010	100 WRITE (6,110) EXNO, CRUND 100 FORMAT (* THERE ARE NO NOT 125, CRUISE (6,15) (6) TO 10 (6) T	# # # # # # # # # # # # # # # # # # #	## 10 10 EXNO, CRUND FORMAT ( THERE ARE NO NOT 1725, 'CRUISE ( 15) FORMAT ( 1,910) FORMAT ( 1,910) FORMAT ( 1,910) EXNO, CRUND ( 1,910) FORMAT ( 1,910) EXNO, CRUND ( 1,910) EXNO	## 10 10 EXNO, CRUND FORMAT ( THERE ARE NO NOT 1725, CRUISE ( 15) FORMAT (34, *END*) FORMAT (34, *END*) FORMAT (34, *END*)	## 10 10 EXNO, CRUND FORMAT ( THERE ARE HO NOT 1725, 'CRUISE ( 15) FORMAT ( 13, 'END') FORMAT ( 13, 'END') END	## 10 10 EXNO, CRUND FORMAT ( THERE ARE NO NOT 1725, 'CRUISE ( 15) FORMAT ( 1,910) FORMAT ( 1,	# # # # # # # # # # # # # # # # # # #	## 10 10 EXNO, CRUND FORMAT ( THERE ARE HO NOT 1725, 'CRUISE ( 15) FORMAT ( 1, 910) FORMAT	## 10 10 EXNO, CRUND FORMAT ( THERE ARE NO NOT 1725, CRUISE ( 15) FORMAT (34, *END*) FORMAT (34, *END*) FORMAT (34, *END*) FORMAT (34, *END*)
60 TO 10 60 TO 10 FORTE (4,110) EXMO, CRUMO FORTA ( THERE AR NO NO NO TO 10 60 TO 10 FORMAT (134, EMD*) RETURN END	100 WRITE (4,110) EXNO, CRUNO 110 FORTAT (* THERE AR NOT 1725, CRUISE (* 15) 60 TO 10 60 FORNAT (134, END*) RETURN END	100 WRITE (4,110) EXMO, CRUMO 110 FORMAT (* THERE MR MOT 1725, CRUISE (*,15) 60 TO	0 TORNO, CRUNO FORMAT (' THERE ARE NO NOT 1725, 'CRUISE '.15) GO TO 10 PRITE (4,910) O FORMAT (3x, 'EMD') RETURN END	60 TO 10 60 TO 10 FORTE (4,110) EXNO, CRUNO 1725, 'CRUISE (15) 60 TO 10 FORHAT (19,10) RETURN END	60 TO 10  60 TO 10  FORTE (4,110) EXMO, CRUMO  1725, CRUISE (15)  60 TO 10  PORNAT (31, END.)  RETURN  END	60 TO 10 60 TO 10 FORMAT ('THERE ARE NO NOT 1725, CRUISE (15) 60 TO 10 FORMAT (3x, 'EMD') RETURN END	60 TO 10 60 TO 10 FORTE (4,110) EXMO, CRUMO FORTA ('THERE MR MON') 1725, 'CRUISE (15) 60 TO 10 FORMAT (3x,'EMO') RETURN END	60 TO 10 60 TO 10 60 TO 10 1 TAS, CRUISE (15) 60 TO 10 60 TO 10 FORMAT (31, END!) RETURN END	60 TO 10  FORTE (4,110) EXNO, CRUNO  1728, CRUISE (18)  60 TO 10  PRITE (4,910)  RETURN  END	60 TO 10 60 TO 10 FORMAT (* THERE ARE NO NOT 1725, CRUISE *.15) 60 TO 10 PRITE (4,910) RETURN (32, END*) RETURN (12, END*)
GO TO 10  WRITE (4,110) EXMO, CRUMO 1726, CRUISE GO TO 10  FORNAT (3x, 'EMD')  RETURN  END	100 GO TO 10 100 WRITE (6.110) EXMO.CRUMO 17 SAHAT (* THERE ARE NO NOT 17 SAHAT (* 15) 60 TO 10 18 FURN (* 15, 10) 10 FORMAT (* 15, 10) 10 FORMAT (* 15, 10) 10 FORMAT (* 15, 10) 11 FORMAT (* 15, 10) 12 FORMAT (* 15, 10) 13 FORMAT (* 15, 10)	100 GO TO 10 100 WRITE (6.110) EXMO.CRUMO 170 WRITE (6.110) EXMO.CRUMO 170 WRITE (4.10) EXMO.CRUMO 60 TO 10 60	GO TO 10  WRITE (4,110) EXMO, CRUMO TO T	GO TO 10  WRITE (4,110) EXMO, CRUMO 1754147 (* THERE ARE NO NOT 17571 (* 15)  GO TO 10  FORINT (3x,*EMD*)  RETURN  END	GO TO 10  WRITE (4,110) EXMO, CRUMO TOWNAT (* THERE ARE NO NOT 1725, 'CRUISE GO TO 10  FORNAT (3x, 'END')  RETURN END	GO TO 10 WRITE (4,110) EXMO, CRUMO TOWNIT (* THERE ARE NO NOT GO TO 10 FORNIT (31, * END*) RETURN END	GO TO 10  WRITE (4,110) EXMO, CRUMO 1704/AT (* THERE ARE NO NOT 1704/AT (* 15)  O TO TO 10  FORMAT (3x, * EMD*)  RETURN  END	GO TO 10  WRITE (4,110) EXMO, CRUMO TOWNTY (* THERE ARE NO NOT 1725, "CRUISE GO TO 10  FORMAT (3x, "END")  RETURN ENO	GO TO 10  WRITE (4,110) EXMO, CRUMO 1754147 (* THERE ARE NO NOT 175716015 (* 15)  GO TO 10  WRITE (4,910)  RETURN  END	GO TO 10  WRITE (4,110) EXMO, CRUMO OF FORMAT (* THERE ARE NO NOT 1725, 'CRUISE GO TO 10  FORMAT (3x, 'END')  RETURN END
GO TO 10  WRITE (6,110) EXMO, CRUNO TORNAT (* THERE ARE NO NOT 1725. (CRU156 60 TO 10  WRITE (4,910)  RETURN END	100 WRITE (6,110) EXMO, CRUNO 110 FORMAT (° THERE ARE NO NOT 60 TO 10 60 TO 10 FORMAT (31,° END') RETURN END	100 WRITE (6,10) EXMO, CRUNO 110 FORMAT (* THERE ARE HO NOT 1725, *CRUISE *.15) 60 TO 10 FORMAT (3x,*END*) RETURN END	GO TO 10  WRITE (6,10) EXMO, CRUNO  FORMAT (* THERE ARE NO NOT  GO TO 10  FORMAT (3x, EMD*)  RETURN  END	GO TO 10  WRITE (6,110) EXMO, CRUNO  FORMAT (* THERE ARE NO NOT  GO TO 10  FORMAT (3x, *END*)  RETURN  END	GO TO 10  WRITE (6,10) EXMO, CRUNO  FORMAT ('THERE ARE NO NOT  1725, 'CRUISE '15)  GO TO 10  FORMAT (3x, 'END')  RETURN  RETUR	GO TO 10  WRITE (6,110) EXMO, CRUNO  FORMAT (* THERE ARE NO NOT  GO TO 10  FORMAT (3x, EMD*)  RETURN  END	GO TO 10  WRITE (6,10) EXMO, CRUNO  FORMAT ('THERE ARE NO NOT  1725, 'CRUISE '.15)  GO TO 10  FORMAT (3x, 'END')  RETURN  END	GO TO 10  WRITE (6,10) EXMO, CRUNO  FORMAT (* THERE ARE NO NOT  GO TO 10  FORMAT (3x, END*)  RETURN  END	GO TO 10  WRITE (6,110) EXMO, CRUNO  FORMAT (* THERE ARE NO NOT  GO TO 10  FORMAT (3x, *END*)  RETURN  END	GO TO 10  WRITE (6,10) EXMO, CRUNO  FORMAT ('THERE ARE NO NOT  1725, 'CRUISE '.15)  GO TO 10  FORMAT (3x, 'END')  RETURN  END
60 TO 10  WRITE (4,10) EXNO, CRUNO FORMAT (* THERE ARE NO NOT 1725, *CRUISE * 15) 60 TO 10  FORMAT (3x,*END*)  RETURN END	100 WRITE (4,10) EXMO, CRUNO 110 FORNAT (* THERE ARE HO NOT 125, 'CRUISE *, 15) 60 TO 10 FORNAT (3x, EMD*) RETURN END	100 WRITE (4,110) EXNO, CRUNO 110 FORMAT (* THERE ARE NO. 15) 1725, *CRUISE * 15) 60 TO 10 FORMAT (3x,*END*) RETURN END*)	60 TO 10  WRITE (4,10) EXMO, CRUMO  1725, 'CRUISE '.15)  60 TO 10  FRITE (4,910)  FRITE (4,910)  FRITE (1,910)	60 TO 10  WRITE (4,10) EXMO, CRUNO  TORNAT (* THERE ARE HO NOT  FORNAT (3x, EMD*)  RETURN  ENO	60 TO 10  WRITE (4,10) EXMO, CRUMO FORMAT (* THERE ARE NO NOT 1725, *CRUISE *.15)  GO TO 10  FORMAT (3x,*END*)  RETURN END	60 TO 10  WRITE (4,10) EXMO, CRUMO  1725, 'CRUISE '.15)  GO TO 10  FORMAT (34, EMD*)  RETURN  END	60 TO 10  WRITE (4,10) EXNO, CRUNO FORMAT (* THERE ARE NO NOT 1725, *CRUISE * 15) 60 TO 10  FORMAT (3x,*END*)  RETURN END	GO TO 10  WRITE (4,10) EXMO, CRUMO  1725, 'CRUISE '.15)  GO TO 10  FRITE (4,910)  RETURN  END  RETURN  FROM TO 12 (1910)  RETURN  RETURN  FROM TO 12 (1910)  RETURN  R	60 TO 10  WRITE (4,10) EXMO, CRUNO  TOSHAT (* THERE ARE HO NOT  TOSHAT (* 1.910)  FORHAT (* 34, * EMD*)  RETURN  END	60 TO 10  WRITE (4,10) EXNO, CRUNO FORMAT (* THERE ARE NO NOT 1725, 'CRUISE 60 TO 10  WRITE (4,910)  FORMAT (3x,'END')  RETURN END
FORMAT (* THERE ARE NOT COND OF FORMAT (* THERE ARE NO NOT COND OF FORMAT (* 15) (* 15) (* 15) (* 16	100 BRITE (4,110) EXNO, CRUNO 110 FORMAT (* THERE ARE NO NOT 1725, *CRUISE * 15) 60 TO TO 10 FORMAT (34, *END*) RETURN END*	100 BRITE (4,110) EXNO, CRUNO 110 FORMAT (* THERE ARE NO NOT 1725, *CRUISE * 15) 60 TO	FORMAT (** 11.0) EXNO, CRUNO FORMAT (** THERE ARE NOT 1725, 'CRUISE 6.15) 6.0 TO 10 FORMAT (3x, 'END') RETURN END	FORMAT (* 112) CRUNO CRUNO FORMAT (* 112) CRUISE * 15)  FORMAT (* 1166 ARE NO NOT CONTROL OF FORMAT (31, 100)  FORMAT (31, 10)  FORMAT (31, 100)  FORMAT (31, 100)	FORMAT (* THERE ARE NOT COND OF FORMAT (* THERE ARE NOT COND OF FORMAT (* 15)  FORMAT (* THERE ARE NO NOT COND OF FORMAT (3x, * END*)  FORMAT (3x, * END*)  FORMAT (3x, * END*)	FORMAT (112) CRUSC FORMAT (* THERE ARE NO RUNO FORMAT (* THERE ARE NO RUNO 1725, CRUSE * 15) GO TO 10 FORMAT (3x, END*) RETURN (3x, END*)	FORMAT (* 112) CRUSO FORMAT (* THERE ARE NO ROY FORMAT (* THERE ARE NO ROY FORMAT (* 15) FORMAT (* 15) FOR	60 TO 10 EXNO, CRUNO 8 RITE (4,110) EXNO, CRUNO 7 FORMAT (* THERE ARE NO NOT 60 TO 10 8 RITE (4,910) 6 FORMAT (3x,*END*) 6 FORMAT (3x,*END*) 6 FORMAT (3x,*END*)	FORMAT (* 112) EXMO, CRUNO FORMAT (* 112) EXMO, CRUNO FORMAT (* 115) GO TO 10 FORMAT (* 115) FORMAT (* 110) FOR	60 TO 10 EXNO.CRUNO FORMAT (* THERE ARE NO NOT 1725.*CRUISE * 15) 60 TO 10 FORMAT (3x, END*) RETURN (3x, END*)
FORMAT (113) CRUISE 60 TO 10 10 EXMO, CRUNO FORMAT (1 THERE ARE NO NOT 60 TO 10 FORMAT (34, EMD*)  RETURN END	100 60 TO 10 EXMO, CRUNO 110 FXMO, CRUNO 110 FXMO, CRUNO 1125, 'CRUISE '.15) 60 TO 10 FXMO XOT (125, 'CRUISE '.15) 60 TO 10 FXMO XOT (125, 'CRUISE '.15) 60 WRITE (4,910) 610 FXMO XOT (125, 'CRUISE '.15) 610 FXMO XOT (125, 'CRUISE '	100 60 TO 10 EXMO, CRUNO 110 FORMAT (* 110) EXMO, CRUNO 1125, * CRUISE * 15) 60 TO 10 FORMAT (34, * EMD*) RETURN END (34, * EMD*) RETURN END (34, * EMD*)	FORMAT (T13) CRUISES. FORMAT (* THERE ARE NO ROLLO CO TO	FORMAT (113) CRUISE 60 TO 10 10 EXMO, CRUNO FORMAT (1 THERE ARE NO NOT 10 TO 10 FORMAT (31, 10) FORMAT (31, 10	FORMAT (T13) CRUISE 60 TO 10 BRITE (4,110) EXMO, CRUNO D FORMAT (* TMERE ARE NO NOT 125. 'CRUISE 15) GO TO 10 BRITE (4,910) FORMAT (3x, 'EMD') RETURN END	FORMAT (T13, CRUISE FORMAT (* THERE ARE NOT CRUNO CRUN	FORMAT (113) CRUISE 60 TO 10 10 EXMO, CRUNO FORMAT (1 THERE ARE NO NOT 10 TO 1	FORMAT (113) CRUISE 60 TO 10 10 EXMO, CRUNO FORMAT (1 THERE ARE NO NOT 125, 'CRUISE 6,15)  FORMAT (1 THERE ARE NO NOT 125, 'CRUISE 6,15)  FORMAT (134,'EMD')  FORMAT (134,'EMD')  FORMAT (134,'EMD')	FORMAT (113, CRUISE 60 TO 10 10 EXMO, CRUNO FORMAT (110) EXMO, CRUNO 1725, 'CRUISE 6,15) GO TO 10 FORMAT (34, EMD') RETURN END')	FORMAT (T13) CRUISE
FORMAT (T13) CRUISE  GO TO 10  FORMAT (* THERE ARE NO NOT 125, CRUISE 15)  GO TO 10  FORMAT (3x, END')  RETURN  ENO	100 WRITE (4,110) EXMO, CRUNO 100 WRITE (4,110) EXMO, CRUNO 110 FORMAT (1 THERE ARE NO NOT 60 TO 10 FORMAT (3x, EMD*) FORMAT (3x, EMD*) RETURN END	100 WRITE (4,10) EXMO, CRUNO 100 WRITE (4,110) EXMO, CRUNO 110 FORMAT (1 THERE ARE NO NOT 60 TO 10 FORMAT (3x, END') 8TURN END	FORMAT (T13) CRUISE  GO TO 10  FORMAT (* THERE ARE NO NOT 125, CRUISE 15)  GO TO 10  FORMAT (3x, *END*)  FORMAT (3x, *END*)  FORMAT (3x, *END*)  FORMAT (3x, *END*)	FORMAT (T13) CRUISE  GO TO 10  FORMAT (1 THERE ARE NO NOT 125, CRUISE 15)  GO TO 10  FORMAT (3x, END')  RETURN  ENO	FORMAT (T13) CRUISE  GO TO 10  FORMAT (* THERE ARE NO NOT 125, CRUISE 15)  GO TO 10  FORMAT (31, END*)  RETURN  END	FORMAT (T13) CRUISE  60 TO 10  WRITE (6,110) EXNO, CRUNO  1725, CRUISE  60 TO 10  FORMAT (1 THERE ARE NO NOT CONTACT (1,910)  FORMAT (3x, END*)  RETURN  END	FORMAT (** 113) * CRUISE ** 15	FORMAT (T13) CRUISE  GO TO 10  FORMAT (* THERE ARE NO NOT 125, CRUISE 15)  GO TO 10  FORMAT (3x, *END*)  FORMAT (3x, *END*)  FORMAT (3x, *END*)  FORMAT (3x, *END*)	FORMAT (T13) CRUISE  60 TO 10  WRITE (4,110) EXNO, CRUNO  FORMAT (* THERE ARE NO NOT  1725, CRUISE (*,15)  60 TO 10  FORMAT (3x, END*)  RETURN  ENO	FORMAT (** 113) * CRUISE ** 15
FORMAT (113, CRUISE 15 CO TO 10 WRITE (4, 110) EXNO, CRUNO FORMAT (* THERE ARE NO NOT 1725, CRUISE (4, 910) FORMAT (3, 910) FORMAT (3, 910) END (1) END (1	100 WRITE (4,110) EXNO, CRUNO 100 WRITE (4,110) EXNO, CRUNO 100 FORMAT (** THERE ARE NO NOT 50 TO 10 60 TO 10 FORMAT (3x,* END*) RETURN END	100 WRITE (4,110) EXNO, CRUNO 100 WRITE (4,110) EXNO, CRUNO 100 FORMAT (* THERE ARE NO NOT 50 TO 10 60 TO 10 60 TO 10 RETURN (4,910) RETURN (13x,*END*)	FORMAT (T13, 'CRUISE IS OF TO ID EXNO, CRUNO OF TORITE (4, 110) EXNO, CRUNO OF TORITE (4, 910) OF FORMAT (13x, 'END') OF FORMAT (13x, 'END') OF FORMAT (13x, 'END') OF FORMAT (13x, 'END')	FORMAT (113, 'CRUISE 15 CO TO 10 EXMO, CRUMO FORMAT ('THERE ARE WO NOT 1725, 'CRUISE '15) CRUMO FORMAT (3x, 'EMO') RETURN EMO')	FORMAT (113, CRUISE 60 TO 10 WRITE (6, 110) EXMO, CRUNO D FORMAT (1 THERE ARE WO NOT 1725, CRUISE 6, 15) FORMAT (134, EMD*)  RETURN (134, EMD*)  RETURN (134, EMD*)	FORMAT (T13, CRUISE 18 CO TO 10 EXMO, CRUMO FORTE (6, 110) EXMO, CRUMO T TAS, 'CRUISE ' 18) CO TO 10 FORMAT (134, EMD') RETURN END	FORMAT (113, 'CRUISE 15 COUNTY (113, 'CRUISE 15)  FORMAT ('THERE ARE WO NOT (175, 'CRUISE '15)  FORMAT (34, 'END')  FORMAT (34, 'END')  RETURN  ENO	FORMAT (T13, 'CRUISE IS OF TO ID EXNO, CRUNO OF TOWAT ('THERE ARE NO NOT ITES, 'CRUISE ' IS)  OF OR TO IO OF FORMAT ('34, 'END')  FORMAT ('34, 'END')  FORMAT ('34, 'END')  FORMAT ('34, 'END')	FORMAT (113, 'CRUISE 18 CO TO 10 EXMO, CRUMO FORMAT ('THERE ARE NO NOT 1725, 'CRUISE '.15)  O FORMAT ('THERE ARE NO NOT 1725, 'CRUISE (4,910)  O FORMAT (3x, 'EMO')  RETURN END	FORMAT (113, CRUISE 60 TO 10 WRITE (6, 110) EXMO, CRUNO D FORMAT (1 THERE ARE WO NOT 1725, CRUISE 6, 15)  O FORMAT (34, EMD*)  RETURN END
FORMAT (T13, CRUISE 15 OF TO	100 WRITE (4,110) EXMO, CRUNO 110 FORMAT (1 THERE ARE NO NOT 1125, CRUISE (1,15) 60 TO TO TO 1725, CRUISE (1,15) 60 TO TO TO 10 FORMAT (3X, 'EMD') RETURN END	100 WRITE (4,110) EXMO, CRUNO 110 WRITE (4,110) EXMO, CRUNO 110 FORMAT (1 THERE ARE NO NOT 60 TO 10 60 TO 10 FORMAT (13x, 'EMD') RETURN END	FORMAT (T13) CRUISE  60 TO 10  WRITE (4,110) EXMO, CRUNO 1725, CRUISE 60 TO 10  FORMAT (31, EMD*)  RETURN  END	FORMAT (T13, CRUISE 60 TO	FORMAT (T13, CRUISE)  BOTO 10  FORMAT ('THERE ARE NO NOT 1725, CRUISE ')  O FORMAT (31, END')  RETURN  END  RETURN  END	FORMAT (T13, CRUISE 6, 11 O WRITE (6, 110) EXHO, CRUNO O TORNAT (1 THERE ARE NO NOT 1725, CRUISE (1, 910) O FORMAT (3½, 'END') RETURN END	FORMAT (T13, CRUISE 0.15 ON TOWN OF TOWN OF THE (4,110) EXMO, CRUNO OF TOWN OF THE (4,910) OF FORMAT (13x, END.)  RETURN END	FORMAT (T13) CRUISE  60 TO 10  WRITE (4,110) EXMO, CRUNO 1725, CRUISE 60 TO 10  WRITE (4,910)  RETURN  END	FORMAT (T13, CRUISE 6, 11 O FORMAT (T13, CRUISE ARE NO NOT 17 O TOWNO T (* THERE ARE NO NOT 17 O TOWNO TO TO	FORMAT (T13, CRUISE)  60 TO 10  FORMAT ('THERE ARE NO NOT 1725, CRUISE ')  60 TO 10  FORMAT (3x, END.)  RETURN  END
FORMAT (T13) CRUISE 60 TO	100 WRITE (4,110) EXMO, CRUNO 110 WRITE (4,110) EXMO, CRUNO 110 FORMAT (1 THERE ARE NO NOT 60 TO 10 60 TO 10 FORMAT (3x, 'EMD') RETURN END	100 WRITE (4,110) EXMO, CRUNO 110 WRITE (4,110) EXMO, CRUNO 1725, 'CRUISE (1,15) 60 TO	FORMAT (T13) CRUISE 60 TO	FORMAI (113) CRUISE 60 TO	FORMAT (T13) CRUISE I GO TO 10 EXMO, CRUNO OF FORMAT ('THERE ARE NO NOT 1725, 'CRUISE (4.910) OF FORMAT (3x, 'END') CRU	FORMAT (T13) CRUISE 60 TO	FORMAT (T13) CRUISE 60 TO	FORMAT (T13) CRUISE I GO TO	FORMAI (113) CRUISE 60 TO	FORMAT (T13) CRUISE I GO TO 10 EXMO, CRUNO OF FORMAT ('THERE ARE NO NOT I T25, 'CRUISE ('15) OF FORMAT (3x, 'END') FORMAT (3x, 'END') RETURN END
FORMAT (T13) CRUISE GO TO 10 WRITE (4,110) EXMO, CRUNO FORMAT (* THERE ARE NO NOT GO TO 10 FORMAT (3x, * END*) RETURN END	FORMAT (T13) CRUISE GO TO 10 100 WRITE (4,110) EXMO, CRUNO 100 FORMAT (* THERE ARE NO NOT GO TO 10 GO TO 10 FORMAT (3x, EMD*) RETURN END	100 WRITE (4,110) EXMO, CRUNO 100 WRITE (4,110) EXMO, CRUNO 100 FORMAT (1 THERE ARE NO NOT 1725, 'CRUISE (1,910) 60 TO 10 FORMAT (33, 'EMD') RETURN END	FORMAT (T13) CRUISE 60 TO 10 EXMO, CRUMO 0 FORMAT (* THERE ARE WO NOT 125, CRUISE 6.15) CRUISE 60 TO 10 FORMAT (3x, EMD*) FRTURM END	FORMAT (T13) CRUISE GO TO 10 EXMO, CRUNO OF FORMAT (* THERE ARE NO NOT TO 10 EXMO, CRUNO OF FORMAT (3x, 'END')  RETURN END	FORMAT (T13) CRUISE 60 TO 10 EXMO, CRUNO D FORMAT ('THERE ARE HO NOT 1725, 'CRUISE 0.15)  FORMAT ('THERE ARE HO NOT 1725, 'CRUISE 0.15)  FORMAT ('THERE ARE HO NOT 1725, 'CRUISE 0.15)  FORMAT ('SK'END')  FORMAT ('SK'END')  FORMAT ('SK'END')	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUNO 0 FORMAT (* THERE ARE NO NOT 1725, CRUISE 6.910)  FORMAT (3x, EMD*)  FORMAT (3x, EMD*)  FORMAT (3x, EMD*)	FORMAT (T13) CRUISE 60 TO 10 EXMO, CRUNO D FORMAT ('THERE ARE NO 150 TO 10 FORMAT ('THERE ARE NO 150 TO 10 FORMAT ('SK' END')  FORMAT (13) CRUISE 6.15)	FORMAT (T13) CRUISE GO TO 10 WRITE (6,110) EXMO.CRUNO FORMAT ('THERE ARE NO NOT 1725, CRUISE (15) GO TO 10 FORMAT (3x, EMD') RETURN END	FORMAT (T13) CRUISE 60 TO 10 EXMO, CRUNO OF FORMAT (* THERE ARE NO NOT 1725, CRUISE 6.15) CRUISE 60 TO 10 TO	FORMAT (T13) CRUISE GO TO 10 FORMAT (T13) CRUISE GO TO 10 FORMAT (THERE ARE NO NOT 1725, CRUISE (15) GO TO 10 FORMAT (3x, END 1) RETURN END
FORMAT (T13, CRUISE GO TO 10 WRITE (6,110) EXMO, CRUNO FORMAT ('THERE ARE NO NOT GO TO 10 WRITE (4,910) O FORMAT (3x, 'END') RETURN END	FORMAT (T13, CRUISE GO TO 10 100 WRITE (6,110) EXMO, CRUNO 1125, CRUISE (15) GO TO 10 FORMAT (1 THERE ARE NO NOT GO TO 10 FORMAT (3x, END') RETURN END	FORMAT (T13) CRUISE (GO TO 10 EXMO, CRUNO 110 FORMAT (T13) CRUISE (GO TO 10 FORMAT (THERE ARE NO NOT 15) FORMAT (134, END 1) F	FORMAT (T13) CRUISE 60 TO 10 EXMO, CRUNO D FORMAT ('THERE ARE HO NOT 1725, 'CRUISE 6, 15) CRUISE 60 TO 10 FORMAT (3x, 'EMD') FRTURN END	FORMAT (T13, CRUISE GO TO 10 WRITE (6,110) EXMO, CRUNO FORMAT ('THERE ARE NO NOT GO TO 10 FORMAT (3x, 'END') RETURN END	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUNO D FORMAT (1 THERE ARE NO 150 TO 10 FORMAT (1 THERE ARE NO 15)	FORMAT (T13, CRUISE GO TO 10 WRITE (6,110) EXMO.CRUMO FORMAT ('THERE ARE WO NOT GO TO 10 FORMAT (3x, EMD') FRETURN END	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUNO FORMAT (T13, CRUISE 60 TO 10 FORMAT (THERE ARE NO NOT 15) FORMAT (13, 'END')	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUNO D FORMAT ('THERE ARE HO NOT 1725, CRUISE 6, 15)  FORMAT ('THERE ARE HO NOT 1725, CRUISE 6, 15)  FORMAT ('THERE ARE HO NOT 1725, CRUISE 6, 15)  FORMAT ('A., 910)	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUMO D FORMAT (* THERE ARE NO NOT 125, CRUISE 60 TO 10 FORMAT (3x, END*)  RETURN END	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUNO C
FORMAT (113, CRUISE 60 TO 10 BRITE (4,91) EXNO, CRUNO FORMAT (1 THERE ARE NO NOT 125, CRUISE 6,15)  FORMAT (2 THERE ARE NO NOT 10 TO	10 FORMAT (T13, CRUISE)  10 BRITE (4,110) EXNO, CRUNO  110 FORMAT (* THERE ARE NO NOT  110 FORMAT (* THERE ARE NO NOT  1125, CRUISE (*15)  1125, CRUISE (*15)  1126, CRUISE (*15)  1127, CRUISE (*15)  1128, CRUISE (*15)	PO	FORMAT (113) CRUISE (50 TO 10 EXMO, CRUMO FORMAT (113) CRUISE (50 TO 10 EXMO, CRUMO FORMAT (114) CRUMO FORMAT (115) CRUISE (115) CRUISE (115) CRUMO FORMAT (115) CRUISE (115) CRUMO FORMAT (115) CRUMO FORM	FORMAT (113, CRUISE 60 TO 10 BRITE (4,91) EXNO,CRUNO FORMAT (1 THERE ARE NO NOT 1 TO 10 BRITE (4,910) FORMAT (3x, END!)	FORMAT (113, CRUISE)  60 TO 10  8 RITE (4,91) EXNO, CRUNO  7 ORNAT (1 THERE ARE NO NOT  1725, CRUISE5)  60 TO 10  8 RITE (4,910)  7 ORNAT (3x, END*)  RETURN  END	FORMAT (113; CRUISE 60 TO 10 EXMO, CRUMO (DATA! E 60 TO 10 EXMO, CRUMO FORMAT (113; CRUISE A 15) FORMAT (114; CRUISE A 15) FORMAT (115; CRUISE A 15)	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUMO FORMAT (1 THERE ARE NO NOT 125, CRUISE 6,15)  FORMAT (1 THERE ARE NO NOT 125, CRUISE 6,15)  FORMAT (1 THERE ARE NO NOT 10 TO 10	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUMO FORMAT (113, CRUISE 1125, CRUISE 6, 15)  FORMAT (1 THERE ARE NO NOT 1725, CRUISE 6, 15)  FORMAT (1 THERE ARE NO NOT 1725, CRUISE 6, 15)  FORMAT (134, EMD*)  RETURN EMD*)	FORMAT (113) CRUISE (60 TO 10 EXMO, CRUNO TO 10 EXMO, CRUNO TO 10 EXMO, CRUNO TO 125, 'CRUISE (15) CRUISE (15) CRU	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUMO FORMAT (* THERE ARE NO NOT 125, CRUISE * 15)  FORMAT (* THERE ARE NO NOT 125, CRUISE * 15)  FORMAT (* THERE ARE NO NOT 10 TO 10
FORMAT (T13, CRUISE 0.11 FORMAT (T13, CRUISE 0.11 FORMAT (T14, CRUISE ARE AG NOT (T15, CRUISE ARE AG NOT (T15, CRUISE (T15) FORMAT (T15, CRUISE (T15) FORMAT (T15, CRUISE (T15) FORMAT (T15, CRUIS) FORMAT (T1	91 FORMAT (T13, CRUISE 0.11 FORMAT (T13, CRUISE 0.11 FORMAT (1 THERE ARE NO NOT 100 FORMAT (1 THERE ARE NO NOT 100 FORMAT (1 1 THERE ARE NOT 100 FORMAT (1 1 THERE AR	91 FORMAT (T13, CRUISE 0.11 60 TO	FORMAT (T13, CRUISE 60 TO 10 EXNO, CRUNO FORMAT (* THERE ARE NO NOT 10 TO 10 T	FORMAT (T13, CRUISE 6110 EXMO, CRUNO FORMAT (* THERE ARE NO NOT 1725, CRUISE 6.15)  O FORMAT (* THERE ARE NO NOT 1725, CRUISE 6.15)  O FORMAT (* 1910)	FORMAT (T13, CRUISE 60 TO 10 BRITE (4,91) EXNO.CRUNO FORMAT (1 THERE ARE NO NOT 1725, CRUISE 6,15)  FORMAT (1 THERE ARE NO NOT 1725, CRUISE 6,15)  FORMAT (3x, END*)  FORMAT (3x, END*)  FORMAT (3x, END*)	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUMO FORMAT (T13, CRUISE ARE NO NOT 1725, CRUISE 6,15)  FORMAT (* THERE ARE NO NOT 1725, CRUISE 6,10)  FORMAT (* 1,910)	FORMAT (T13, CRUISE 0.11 FORMAT (T13, CRUISE 0.11 FORMAT (THERE ARE NO NOT 1725, CRUISE 0.15)  FORMAT (THERE ARE NO NOT 1725, CRUISE 0.15)  FORMAT (34, END)  FORMAT (34, END)  FORMAT (34, END)  FORMAT (34, END)	FORMAT (T13, CRUISE 60 TO 10 EXNO, CRUNO FORMAT (* THERE ARE NO NOT 10 TO 10 T	FORMAT (T13, CRUISE 6, 11 CRUNO GO TO 10 CRUNO CRUNO FORMAT (1 THERE ARE NO NOT CO TO 10 CRUNO C	FORMAT (T13, CRUISE 60 TOWN CRUNO FORMAT (T13, CRUISE ARE NO NOT TOWN TO N
FORMAT (T13, CRUMO, 10ATALL 60 TO 10 10 EXMO, CRUMO FORMAT (* THERE ARE NO NOT 10 10 FORMAT (** 15) CRUISE (** 15) CO 10 FORMAT (31, EMD*)  FORMAT (31, EMD*)  FORMAT (31, EMD*)  FORMAT (31, EMD*)	91 FORMAT (T13, CRUISE "110 60 TO 10 WRITE (4,110) EXMO, CRUNO 110 FORMAT (* THERE ARE NO NOT 60 TO 10 60 TO 10 60 TO 10 FORMAT (31, END*) RETURN END	91 FORMAT (T13, CRUISE "110 EXMO, CRUNO 100 WRITE (4,110) EXMO, CRUNO 110 FORMAT (* THERE ARE NO NOT 100 FORMAT (31, EMD*)  60 TO 10 FORMAT (31, EMD*)  60 TO 10 FORMAT (31, EMD*)  60 TO 10 FORMAT (31, EMD*)	FORMAT (T13, CRUISE 15)  FORMAT (T13, CRUISE 15)  FORMAT (* THERE ARE NO NOT TO T	FORMAT (T13, CRUISE EGO TO 10 TO 10 EXMO, CRUISE EMD. TZS, CRUISE EMD. TO FORMAT (1 THERE ARE NO NOT COMMON TO THE (4,910)  FORMAT (31, EMD.)  FORMAT (31, EMD.)  RETURN  ENO	FORMAT (T13, CRUMO, CDATALL 60 TO 10 10 EXMO, CRUMO FORMAT (* THERE ARE NO NOT 10 10 10 10 10 10 10 10 10 10 10 10 10	FORMAT (T13, CRUISE POTAL I FORMAT (T13, CRUISE POTAN CRUNO	FORMAT (T13, CRUMO, CDATALL GO TO 10 10 EXMO, CRUMO FORMAT (* THERE ARE NO NOT 10 10 FORMAT (** 15) CRUISE (** 15) CO 10 FORMAT (** 15) CRUISE (** 15) CO 10 FORMAT (** 15) CRUISE (** 15) CO 10 FORMAT (** 15) CRUS (** 15) CO 10 FORMAT (** 15) CRUS (** 1	FORMAT (T13, CRUISE 0.15 FORMAT (T13, CRUISE 0.15 FORMAT (* THERE ARE NO NOT 1725, CRUISE 0.15)  FORMAT (* THERE ARE NO NOT 1725, CRUISE 0.15)  FORMAT (* THERE ARE NO NOT 1725, CRUISE 0.15)  FORMAT (* * * * * * * * * * * * * * * * * * *	FORMAT (T13, CRUISE 6, 15 60 TO 10 10 EXMO, CRUISE 60 TO 10 FORMAT (* THERE ARE NO NOT 1725, CRUISE 6, 15) 60 TO 10 FORMAT (3x, EMD*)  RETURN (3x, EMD*)  RETURN (3x, EMD*)	FORMAT (T13, CRUMO, CDATALL GO TO 10 10 113, CRUISE 60 TO 10 1125, CRUISE ARE NO NOT 1125, CRUISE 6, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15
FORMAT (T13, CRUMO, 10ATALL 60 TO 10 10 EXMO, CRUMO FORMAT (* THERE ARE NO NOT 10 10 FORMAT (** 15) CRUISE (** 15) CO 10 FORMAT (31, EMD*)  FORMAT (31, EMD*)  FORMAT (31, EMD*)  FORMAT (31, EMD*)	91 FORMAT (T13, CRUISE "110 60 TO 10 WRITE (4,110) EXMO, CRUNO 110 FORMAT (* THERE ARE NO NOT 60 TO 10 60 TO 10 60 TO 10 FORMAT (31, END*) RETURN END	91 FORMAT (T13, CRUISE "110 EXMO, CRUNO 100 WRITE (4,110) EXMO, CRUNO 110 FORMAT (* THERE ARE NO NOT 100 FORMAT (31, EMD*)  60 TO 10 FORMAT (31, EMD*)  60 TO 10 FORMAT (31, EMD*)  60 TO 10 FORMAT (31, EMD*)	FORMAT (T13, CRUISE 15)  FORMAT (T13, CRUISE 15)  FORMAT (* THERE ARE NO NOT TO T	FORMAT (T13, CRUISE EGO TO 10 TO 10 EXMO, CRUISE EMD. TZS, CRUISE EMD. TO FORMAT (1 THERE ARE NO NOT COMMON TO THE (4,910)  FORMAT (31, EMD.)  FORMAT (31, EMD.)  RETURN  ENO	FORMAT (T13, CRUMO, CDATALL 60 TO 10 10 EXMO, CRUMO FORMAT (* THERE ARE NO NOT 10 10 10 10 10 10 10 10 10 10 10 10 10	FORMAT (T13, CRUISE POTAL I FORMAT (T13, CRUISE POTAN CRUNO	FORMAT (T13, CRUMO, CDATALL GO TO 10 10 EXMO, CRUMO FORMAT (* THERE ARE NO NOT 10 10 FORMAT (** 15) CRUISE (** 15) CO 10 FORMAT (** 15) CRUISE (** 15) CO 10 FORMAT (** 15) CRUISE (** 15) CO 10 FORMAT (** 15) CRUS (** 15) CO 10 FORMAT (** 15) CRUS (** 1	FORMAT (T13, CRUISE 0.15 FORMAT (T13, CRUISE 0.15 FORMAT (* THERE ARE NO NOT 1725, CRUISE 0.15)  FORMAT (* THERE ARE NO NOT 1725, CRUISE 0.15)  FORMAT (* THERE ARE NO NOT 1725, CRUISE 0.15)  FORMAT (* * * * * * * * * * * * * * * * * * *	FORMAT (T13, CRUISE 6, 15 60 TO 10 10 EXMO, CRUISE 60 TO 10 FORMAT (* THERE ARE NO NOT 1725, CRUISE 6, 15) 60 TO 10 FORMAT (3x, EMD*)  RETURN (3x, EMD*)  RETURN (3x, EMD*)	FORMAT (T13, CRUMO, CDATALL GO TO 10 10 113, CRUISE 60 TO 10 1125, CRUISE ARE NO NOT 1125, CRUISE 6, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15
FORMAT (T13) CRUNO, 10ATA(1)  FORMAT (T13) CRUSE  O FORMAT (THERE ARE NO NOT  1725, CRUSE  O FORMAT (34, END')  RETURN  ENO	PI FORMAT (T13) CRUISE 100 GO TA (T13) CRUISE CO TO 10 WRITE (4,110) EXNO, CRUNO 110 FORMAT (1 THERE ARE NO NOT (10 FORMAT (1 THERE ARE NO NOT (1 THERE ARE NOT	10 FORMAT (T13) CRUISE 15) 10 FORMAT (* THERE ARE NO NOT 10) 10 FORMAT (* * 15) 10 FORMAT (* * 15) 10 FORMAT (* * 16) 10 FORMAT (* * 16) 11 FORMAT (* * 16) 11 FORMAT (* * 16) 12 FORMAT (* * 16) 10 FORMAT (* * 16) 11 FORMAT (* * 16) 11 FORMAT (* * 16) 12 FORMAT (* * 16) 13 FORMAT (* * 16) 14 FORMAT (* * 16) 15 FORMAT (* * 16) 16 FORMAT (* * 16) 17 FORMAT (* * 16) 18 FORMAT (* * 16) 18 FORMAT (* * 16) 19 FORMAT (* * 16) 19 FORMAT (* * 16) 10 FORMAT (* 16) 10 FORMAT (* * 16) 10 FORMAT (* 16) 10 FORMAT (* 16) 10 FORMAT (* * 16) 10 FORMAT (*	FORMAT (T13) CRUNO, (DATA(1) GO TO 10 UNITE (4,110) EXMO, CRUNO FORMAT (* THERE ARE NO NOT 1725, CRUISE *.15)  FORMAT (* THERE ARE NO NOT 100 TO 10 UNITE (4,910)  FORMAT (3x, EMD*)  FORMAT (3x, EMD*)  FORMAT (3x, EMD*)	FORMAT (T13) CRUNO, 10ATA(1)  FORMAT (T13) CRUSE  O FORMAT (THERE ARE NO NOT  1725, CRUSE  O FORMAT (34, END')  RETURN  END	FORMAT (T13) CRUMO, (DATA(1) GO TO 10 BEND, CRUMO FORMAT (* THERE ARE NO NOT 125, CRUISE (*,15) GO TO 10 FORMAT (31, END*)	FORMAT (T13, CRUISE 60 TO 10 T	FORMAT (T13, CRUISE COTALIS COTALIS COTOL D WRITE (4,110) EXMO, CRUNO FORMAT (* THERE ARE NO NOT COTOL D FORMAT (* 1910)	FORMAT (T13) CRUNO, 10ATA(1)  FORMAT (T13) CRUISE  OFORMAT (* THERE ARE NO NOT 10 10  FORMAT (3x, END*)  FORMAT (3x, END*)  FORMAT (3x, END*)  FORMAT (3x, END*)	FORMAT (T13) CRUNO, 10ATA(1) 60 TO 10 WRITE (4,110) EXNO, CRUNO FORMAT (* THERE ARE NO NOT 1725, CRUISE 60 TO 10 FORMAT (34, END*) RETURN ENO	FORMAT (T13) CRUISE EGO TO 10 BRITE (4,110) EXMO, CRUNO FORMAT (* THERE ARE NO NOT 1725, CRUISE 15) GO TO 10 FORMAT (31, EMD*)  RETURN END
FORMAT (T13, CRUISE 60 TO 10 WRITE (6, 110) EXNO, CRUNO D FORMAT (T THERE ARE NO NOT 1725, CRUISE 6, 15) FORMAT (1, 910) FORMAT (1, 910) FORMAT (1, 910) FORMAT (1, 910) RETURN END (1)	FORMAT (T13, CRUISE 60 TO 10 T	FORMAT (T13, CRUISE)  FORMAT (T13, CRUISE)  OD WRITE (6,110) EXNO.CRUNO  100 WRITE (4,910)  FORMAT (13x, END')  FORMAT (3x, END')  RETURN  END	FORMAT (T13) CRUISE 66 TO 10 WAITE (6,110) EXNO, CRUNO FORMAT (1 THERE ARE NO NOT 1725, CRUISE 6,15) GO TO 10 FORMAT (34, END) RETURN (34, END) RETURN (34, END)	FORMAT (T13, CRUISE 60 TO 10 TO 113, CRUISE 60 TO 10 TO 110, EXNO, CRUNO 1125, CRUISE 6, 15) FORMAT (THERE ARE WORD 1125, CRUISE 6, 15) RETURN END 1) RETURN END 1)	FORMAT (T13, CRUISE 60 TO 10 WAITE (6, 110) EXNO, CRUNO FORMAT (* THERE ARE NO NOT 1725, CRUISE 6, 15) GO TO 10 FORMAT (3x, END*)  RETURN ENO	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUISE 60 TO 10 EXMO, CRUISE 60 TO 10 FORMAT (THERE ARE WO NOT 1725, CRUISE 6, 15)  FORMAT (134, EMD.)  FORMAT (34, EMD.)  FORMAT (34, EMD.)  FORMAT (34, EMD.)	FORMAT (T13, CRUISE 60 TO 10 TO 113, CRUISE 60 TO 10 TO 110, EXNO, CRUNO TO FORMAT (THERE ARE NO NOT 1125, CRUISE 6, 15) FORMAT (134, END*)  RETURN END	FORMAT (T13) CRUISE 60 TO 10 WAITE (6, 110) EXNO, CRUNO FORMAT (* THERE ARE NO NOT 1725, CRUISE 6, 15) GO TO 10 FORMAT (34, 'END') RETURN (34, 'END')	FORMAT (T13, CRUISE 60 TO 10 WRITE (6, 110) EXMO, CRUNO D FORMAT (THERE ARE WO NOT 1725, CRUISE 6, 15) FORMAT (3x, EMD*)  RETURN EMD*	FORMAT (T13, CRUISE 60 TO 10 WAITE (6, 110) EXNO, CRUNO FORMAT (* THERE ARE NO NOT 1725, CRUISE 6, 15) GO TO 10 FORMAT (3x, END*)  RETURN ENO
FORMAT (T13, CRUISE 60 TO 10 WRITE (6, 110) EXNO, CRUNO D FORMAT (T THERE ARE WO NOT 1725, CRUISE 6, 15) FORMAT (134, END!)  FORMAT (134, END!)  FORMAT (34, END!)  RETURN  END	FORMAT (T13, 'CRUISE 60 TO 10 EXMO, CRUNO 100 WRITE (6, 110) EXMO, CRUNO 110 FORMAT ('THERE ARE WO WOOT 125, 'CRUISE 6, 15) GO TO 10 FORMAT (3x, 'EMD') RETURN EMD')	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUNO 100 WRITE (6, 110) EXMO, CRUNO 110 FORMAT (T THERE ARE WO NOT 125, CRUISE 6, 15) FORMAT (3x, EMD*)  RETURN END	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUISE 60 TO 10 EXMO, CRUISE WILL (6, 110) EXMO, CRUISE 1725, CRUISE (1, 12) THERE ARE WORD 1725, CRUISE (1, 15) CONTAT (1, 17) EMD')  RETURN (3x, EMD')  RETURN (3x, EMD')	FORMAT (T13, 'CRUISE GO TO 10 WRITE (4, 91) CRUISE TO 10 WRITE (4, 910) FORMAT (THERE ARE WO WOOT 1725, 'CRUISE (4, 910) FORMAT (3x, 'END') RETURN END')	FORMAT (T13, CRUISE 60 TO 10 WRITE (6, 110) EXNO, CRUNO D FORMAT (T THERE ARE WOND TO TO 10 FORMAT (1, 910) FORMAT (13x, END') RETURN END')	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUMO PORTE (6, 110) EXMO PORTE (6, 110) PRITE (6, 110)	FORMAT (T13, CRUISE 60 TO 10 WRITE (6, 91) CRUISE 60 TO 10 WRITE (6, 110) EXNO, CRUNO 1725, CRUISE 7, 15) GO TO 10 FORMAT (1, 910) FORMAT (3x, END*) RETURN END*)	FORMAT (T13, CRUISE 60 TO 10 WRITE (6,110) EXMO, CRUNO D FORMAT (THERE ARE WORD NOT 1725, CRUISE 6,15) GO TO 10 FORMAT (34, EMD*) RETURN END*)	FORMAT (T13, CRUISE 60 TO 10 EXMO, CRUMO FORMAT (T13, 'CRUISE ARE WO NOT TES, 'CRUISE 6, 15)  FORMAT (THERE ARE WO NOT TES, 'CRUISE 6, 15)  FORMAT (13x, 'EMO')  FORMAT (13x, 'EMO')  FORMAT (13x, 'EMO')	FORMAT (T13, CRUISE 60 TO 10 BENO, CRUISE 60 TO 10 EXNO, CRUISE 1125, CRUISE 7, 15 GO TO 10 FORMAT (1,910)  WRITE (4,910)  FORMAT (3x, END')  RETURN  END
FORMAT (113, CRUISE 60 TO 10 EXMO, CRUMO (0 TO 10 EXMO, CRUMO (0 TO 10 EXMO, CRUMO (0 TO 10 EXMO) CRUMO (0 TO 10 E	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUMO (100 BRITE (4,910) EXMO, CRUMO (110 BRITE (4,910) FORMAT (134, EMD!)  FORMAT (134, EMD!)  FORMAT (134, EMD!)  RETURN  END	FORMAT (113, CRUISE 60 TO 10 EXNO, CRUNO (100 BRITE (4, 910) EXNO, CRUNO (110 BRITE (4, 910) FORMAT (13x, END.)  FORMAT (13x, END.)  FORMAT (3x, END.)  RETURN  END.	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUNO 10 FORMAT (113, CRUISE AND CRUNO 1125, CRUISE (4,910)  BRITE (4,910)  BRITE (4,910)  FORMAT (3x, EMD)  FORMAT (3x, EMD)  RETURN  END	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUMO (0 TO 10 E	FORMAT (113, CRUISE 60 TO 10 EXNO. CRUNO (DATA (1125, CRUISE 60 TO 10 FORMAT (114, END.)  FORMAT (116, END.)  FORMAT (116, END.)  FORMAT (116, FEND.)	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUMO 17 113, CRUISE 60 TO 10 EXMO, CRUMO 17 (1 THERE ARE NO NOT 17 125, CRUISE (4, 15) CRUMO 10 FORMAT (13x, 'EMD')  RETURN END	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUMO, CRUMO	FORMAT (113, CRUISE 60 TO 10 EXMO, CRUNO 10 FORMAT (113, CRUISE AND CRUNO 1125, CRUISE (4,910)  BRITE (4,910)  BRITE (4,910)  FORMAT (3x, EMD*)  RETURN  END	FORMAT (113, CRUISE 60 TO 10 EXNO, CRUNO 17 SKITE (4,911) EXNO, CRUNO 17 SKITE (4,910) EXNO, CRUNO 17 SKITE (4,910) FORMAT (134, END!) FORMAT (134, END!) END	FORMAT (113, CRUISE 60 TO 10 EXNO. CRUNO (DATA (1125, CRUISE 60 TO 10 FORMAT (114, END.)  FORMAT (114, END.)  FORMAT (114, END.)  FORMAT (115, END.)
PORNAT (191) CRUMO, 104 A L. 1 PORNAT (191) CRUMO, 104 A L. 1 PORNAT (191) CRUMO, CRUMO (1910) EXNO, CRUMO (1910) EXNO (	100 WRITE (4,91) CRUMO, 10474 (1) 100 WRITE (4,110) EXMO, CRUMO 110 WRITE (4,910) 1728, CRUISE (1,15) 60 TO TO TO 1728, CRUISE (1,15) 60 TO TO 1728, CRUISE (1,15) 60 TO TO 1728, CRUISE (1,10) 1738, CRUISE (	100	PARTE (4,910) EXMO, CRUNO FORMAT (119) CRUNO, CRUNO FORMAT (119) EXMO, CRUNO 1704/AT (174/ERE ARE NO NOT 1725, CRUISE (15) GO TO 10 FORMAT (31, END) FORMAT (31, END)	PORNAT (113) CRUMO, 10474 (113)	FORMAT (191) CRUMO, 10474 (191) CRUMO, 10474 (191) CRUMO, 10474 (191) CRUMO, 10474 (191) CRUMO, 1785, 181) CRUMO, 10474 (191) CRUMO, 1785, 181) CRUMO, 10474 (191) CR	PARTE (4,912) CRUMO, 1047 L. FORMAT (113) CRUMO, 1047 L. FORMAT (113) CRUMO, 1047 L. FORMAT (113) CRUMO (15) C	PORNAT (191) CRUISE (0.10) EXNO, CRUNO (194) CRUISE (0.10) EXNO, CRUNO (194) CRUISE (0.11) CRUISE (0	## 1 E (4,910) EXMO, CRUNO OD TORNAT (113), CRUISE ARE NO NOT (178, CRUISE (4,910) BRITE (4,910) BRI	PORNAT (113) CRUISE (50 TO	FORMAT (191) CRUISE (60 TO 10 EXNO, CRUNO (191) CRUISE (60 TO 10 EXNO, CRUNO (191) CRUISE (191) CRUISE (1910) EXNO, CRUNO (1910) CRUISE (1910)
FORMAT (111) CRUMO, CD4TA(1 FORMAT (113) CRUMO, CRUMO	## FORMAT (THI) - NOTES TON EN FORMAT (TIS) - CRUISE	PORMAT (THI) - NOTES TOR EN FORMAT (TI) - CRUISE - 1 10	## ## ## ## ## ## ## ## ## ## ## ## ##	FORMAT (111) CRUMO, CRUMO CONTACT (112) CRUMO, CRUMO CONTACT (112) CRUISE (110) EXMO, CRUMO CONTACT (112) CRUISE (110) EXMO, CRUMO CONTACT (112) CRUISE (112) CRUISE (112) CRUISE (112) CRUMO CONTACT (112) CR	FORMAT (111) CRUMO, CDATA(1 E (4,91) CRUMO, CDATA(1 E (4,91) EXMO, CRUMO   1725, 'CRUISE (4,910) FORMAT (1719, 'EMD*)   FORMAT (1719, 'EM	## ## ## ## ## ## ## ## ## ## ## ## ##	FORMAT (111) CRUMS TORES TO TORNAT (113) CRUMS (104) CRUMS (105) CRUMS (113) C	## ## ## ## ## ## ## ## ## ## ## ## ##	## ## ## ## ## ## ## ## ## ## ## ## ##	FORMAT (111) CRUMO, CDATA (111) CRUMO, CDATA (111) CRUMO, CRUMO  FORMAT (111) CRUMO, CRUMO  FORMAT (111) CRUMO, CRUMO  FORMAT (111) CRUMO, CRUMO  FORMAT (111) CRUMO  FORMAT (1111) CRUMO  FORMAT (111) CRUMO  FORMAT (111) CRUMO  FORMAT (111) CRUMO
FORMAT (1M1, " MOTES FOR EM FORMAT (T13, CRUMO, CRUMO GO TO 10 WRITE (4,110) EXMO, CRUMO FORMAT (' THERE ARE NO NOT GO TO 10 WRITE (4,910) FORMAT (3x, 'EMD') RETURN END	FORMAT (1M1, " MOTES FOR EM ARITE (4,110) EXMO, CRUNO 100 WRITE (4,110) EXMO, CRUNO 110 FORMAT (' THERE ARE NO NOT 60 TO 10 GO TO 10 FORMAT (3x, 'EMD') RETURN END	FORMAT (1M1, " MOTES FOR EMITE (4, 91) CAUNO, (DATA (1) C	FORMAT (IN1) * MOTES FOR EATE FOR TO 10 CRUNO, (DATA!) CRUNO, (DATA!) CRUNO CR	FORMAT (1M1, " MOTES FOR EM ANTE (6,110) EXMO, CRUNO FORMAT (1 THERE ARE NO NOT FORMAT (1 THERE ARE NO NOT 1725, "CRUISE ".15) GO TO 10 WAITE (4,910) FORMAT (3x,"EMD") RETURN END	FORMAT (IM1, MOTES FOR EM ANTE (6,91) CRUISE '.15 GO TO 10 WRITE (6,10) EXMO, CRUNO FORMAT ('THERE ARE HO NOT 1725, 'CRUISE '.15) GO TO 10 FORMAT (3x, EMD') FORMAT (3x, EMD')	FORMAT (1M1, " MOTES FOR EM FORMAT (T13, CRUISE " )   GO TO 10 WRITE (6,10) EXMO, CRUNO FORMAT (* THERE ARE WO NOT 1725, CRUISE (4,910) FORMAT (3x, EMD*)	FORMAT (1M1, MOTES FOR EM ANTE (4,91) CRUISE '.15 FORMAT (113, CRUISE '.15) FORMAT (113, CRUISE '.15) FORMAT (113, CRUISE '.15) GO TO 10 FORMAT (13, END') FORMAT (3,910) FORMAT (3,910) FORMAT (3,910)	FORMAT (IN1) * MOTES FOR ENTE FOR TITE (6,91) CRUNO, (DATA!)  GO TO 10  WRITE (6,10) EXNO, CRUNO  FORMAT (* THERE ARE NO NOT  1725, 'CRUISE *,15)  O FORMAT (3x, 'END')  RETURN  END	FORMAT (1M1, " MOTES FOR EM ARITE (6,110) EXMO, CRUNO FORMAT (1 THERE ARE NO NOT FORMAT (1 THERE ARE NO NOT 1725, "CRUISE (15) GO TO 10 WRITE (4,910) FORMAT (31, "EMD") RETURN END	FORMAT (IN1) * NOTES FOR ENTRE (6,91) CRUNO, (DATA!)  FORMAT (113) *CRUISE * 1,13  FORMAT (113) *CRUISE * 15)  FORMAT (114) *CRUISE * 15)  FORMAT (116) END * 15)  FORMAT (12, *END * 1)  FORMAT (12, *END * 1)  FORMAT (12, *END * 1)
FORMAT (1M1) * MOTES FOR ENTE FOR ENTE (4,91) CRUMO, (DATA!! FORMAT (112) 'CRUISE '15)  FORMAT (112) 'CRUISE '15)  FORMAT (112) 'CRUISE '15)  FORMAT (12) 'CRUISE '15)  FORMAT (12) 'EMD')  FORMAT (12) 'EMD')  FORMAT (12) 'EMD')	FORMAT (IM) * MOTES FOR EL # RITE (4,91) CRUISE * 1,100 END. CRUNO 100 END. CRUNO 100 END. CRUNO 1125. CRUISE * 15) END. CRUNO 100 ENTE (4,910) FORMAT (3x, END.)  # RITE (4,910) END. END. END. END. END. END. END. END.	FORMAT (1M1) MOTES FOR ENGINE (DATA) (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FORMAT (IM) * MOTES FOR ELECTRIC (DATA)   1	FORMAT (IM1, MOTES FOR EL FORMAT (T13, CRUISE GO TO 10 WRITE (6,10) EXMO,CRUNO FORMAT (* THERE ARE WO NOT GO TO 10 WRITE (4,910) O FORMAT (3x, EMD*) RETURN END	FORMAT (IM) * MOTES FOR ENGINE (DATA)   CRUMO, (DATA)   CRUMO, (DATA)   CRUMO, (DATA)   CRUMO, (DATA)   CRUMO, CRUMO	FORMAT (IM) * MOTES FOR ELICATION (IDATAL)  FORMAT (T13) 'CRUISE '. 11  FORMAT (T13) 'CRUISE '. 15  FORMAT (T13) 'EMD')  FORMAT (T13) 'EMD')  FORMAT (T13) 'EMD')	FORMAT (1M1) MOTES FOR ENGINE FOR ENGINE (1712) CRUISE (17	FORMAT (IM) * MOTES FOR ENTE FOR TITE (4,91) CRUISE 150 TO	FORMAT (IM1, MOTES FOR ELL OF 1) CRUMO, (DATA!) FORMAT (T13, 'CRUSE '.) GO TO 10 WRITE (6,10) EXMO, CRUMO D FORMAT ('THERE ARE WO NOT 1725, 'CRUSE (6,910) GO TO 10 FORMAT (3x, 'END') RETURN END	FORMAT (IM1) MOTES FOR ENGINE FOR THE (4,91) CRUISE (DATA!!) ENDING FORMAT (112) 'CRUISE (15) CRUISE (
FORMAT (1M1) MOTES FOR ENTE (4,91) CRUMO, (DATA(1) FORMAT (113) CRUISE (113) CRUISE (113) CRUMO	FORMAT (IM) * MOTES FOR EM FORMAT (T13) CRUISE * 110 FORMAT (T13) CRUISE	PO FORMAT (1M1) MOTES FOR EN ANTE (4,91) CRUMO, (DATA(1) FORMAT (113) CRUISE (115)	FORMAT (1M1) MOTES FOR ELL FORMAT (112) CRUMO, (DATA(1) GO NAT (112) CRUISE (112) CRUMO (BOND) (BOND	FORMAT (IM) * MOTES FOR EM FORMAT (T13) CRUISE * 11 FORMAT (T13) CRUISE * 11 FORMAT (T13) CRUISE * 15) FORMAT (T13) CRUISE * 15) GO TO 10 FORMAT (13) EMD*) FORMAT (3) EMD*)	FORMAT (1M1) MOTES FOR ENTE FORMAT (113) CRUMO, (DATA(1) FORMAT (113) CRUISE (113) CRUMO (PORMAT (113) CRUISE (115) CRUISE (115) CRUISE (115) CRUMO (PORMAT (116) END (115) CRUISE (115) CRUMO (PORMAT (13x, *END*) CRUMO (PORMAT (13x, *END*	FORMAT (1M1) MOTES FOR EMITE (4,91) CRUMO, (DATA!! FORMAT (T12) 'CRUISE OND CRUMO FORMAT (T12) 'CRUISE OND CRUMO FORMAT (* 1910) FORMAT (* 191	FORMAT (1M1) MOTES FOR ENTE (4,91) CRUMO, (DATA(1) FORMAT (113) CRUISE (113) CRUISE (113) CRUMO FORMAT (1 THERE ARE NO NOT (10) CRUMO FORMAT (1 THERE ARE NO NOT (10) CRUMO FORMAT (13x, 'EMD') FORMAT (13x, 'EMD')	FORMAT (1M1) MOTES FOR EMITE (4,91) CRUMO, (DATA!) FORMAT (112) 'CRUISE 60 TO 10 FORMAT (112) 'CRUISE 1725, 'CRUISE 60 TO 10 FORMAT (4,910) FORMAT (3x,'END') FORMAT (3x,'END') FORMAT (3x,'END')	FORMAT (IM) * MOTES FOR EM FORMAT (T13) CRUISE FORMAT (T13) CRUISE FO	FORMAT (1M1) MOTES FOR ENTE FORMAT (113) CRUMS. (DATA(1) FORMAT (113) CRUISE (113) CRUMO (113) CRUMO (113) CRUMO (113) CRUMO (113) CRUISE (113) CRUMO (113) CRUISE (113) CRUMO (113) CRUS (
FORMAT (INI) - NOTES FOR ENTE 64,91) CRUMO, (DATA() 60 TO 10 B RITE (4,910) EXMO, CRUMO TO MATE (4,910) CRUMO	PO FORMAT (INI) - NOTES FOR EN CONTACT (1) - 10 CRUMO, (DATA (1) CRUSE (1) CRUMO (DATA (1) CRUSE (1) CRUMO	PO FORMAT (INI) - NOTES FOR ENTE (4,91) CRUNO, (DATA(1) CRUSE (5,10) EXNO, CRUNO (100 PRITE (4,110) EXNO, CRUNO (100 PRITE (4,910) (4,15) (6,00) (6,0	FORMAT ( IM.) - MOTES FOR EM.	FORMAT ( IM.) - MOTES FOR EM.  - ARITE ( 4, 91) CRUMO, (DATA ( 1 10) EXMO, CRUMO - FORMAT ( 1 110) EXMO, CRUMO - FORMAT ( 1 11	FORMAT (INI) - NOTES FOR ENTE (4,91) CRUND, (DATA(1) FORMAT (113, CRUISE - 115) CRUND FORMAT (1 THERE ARE NOT (125, CRUISE - 15) CRUND FORMAT (1 THERE ARE NOT (10) CRUND (10) C	FORMAT (1M1. MOTES FOR EM.	FORMAT (INI) - NOTES FOR ENTE 64,91) CRUNO, (DATA (I SO TO 10 O WRITE (4,110) EXNO, CRUNO FORMAT (1 THERE ARE NO NOT (10 THERE ARE NOT	FORMAT (INI) - NOTES FOR ENTE (4,91) CRUNO, (DATA(1) FORMAT (T13) - CRUISE - 15)  BRITE (4,910) EXNO, CRUNO FORMAT (* THERE ARE NO NOT 10 10 10 10 10 10 10 10 10 10 10 10 10	FORMAT ( INI) - NOTES FOR ENTE ( 6,91) CRUMO, (DATA ( 1 1 2 ) CRUISE ( 1 1	FORMAT (INI) - NOTES FOR ENTE (4,91) CRUNO, (DATA(1) FORMAT (113, CRUISE 6,110) EXNO, CRUNO FORMAT (1 THERE ARE NO NOT (20 TO 10 THERE ARE NOT (20 TO 10
FORMAT (111) - NOTES FOR EX COTAL (111) - CRUISE - 11 CR	PO FORMAT (1H1; NOTES FOR EX ANTE (4,91) CRUMO, (0474) (100 GO TO 100 WRITE (4,110) EXMO, CRUMO 110 FORMAT (1 THERE ARE NO NOTE (4,910) FORMAT (3x; END*) RETURN (3x; END*)	PO FORMAT (1H1; NOTES FOR EM TE (4,91) CRUMO, (DATA(1) CRUMO, (DATA(1) CRUMO, (DATA(1) CRUMO, TOTAL) CRUMO, TOTAL CRUMO, T	FORMAT (111) - NOTES FOR EM FORMAT (113) CRUNG, (DATA (1 60 TO 10 BRITE (4,110) EXNO, CRUNO FORMAT (1 THERE ARE NO NOT 60 TO 10 FORMAT (3x, *END*) FORMAT (3x, *END*) FORMAT (3x, *END*)	FORMAT (111) - NOTES FOR EX FORMAT (111) - CRUISE (104) (111) (11) (111)	FORMAT (1H1) - NOTES FOR EM TE (6,91) CRUMO, (DATA(1) GO TO 10 D WRITE (6,110) EXMO, CRUMO FORMAT (1 THERE ARE NO NOT (50 TO 10 THERE ARE NOT (50 T	FORMAT (111) - NOTES FOR EM FORMAT (113) - CRUISE - 151 60 TO 10 BRITE (4,910) EXNO, CRUNO FORMAT (1 THERE ARE NO NOT 1725, -CRUISE - 15) FORMAT (3x, -END*) FORMAT (3x, -END*)	FORMAT (111) - NOTES FOR ELL FORMAT (111) - CRUISE (1041) (111) - CRUISE (1041) (111) - CRUISE (1041) (111) - CRUISE (1041) (111) - CRUISE (111) (111) - CRUISE (111) (1	FORMAT (1H1) - NOTES FOR EM TE (6,91) CRUMO, (DATA (1 1 2) CRUSE 60 TO 10 UNITE (6,91) CRUMO FORMAT (1 THERE ARE NO NOTES CRUSE 60 TO 10 THERE ARE NO NOTES CRUSE 60 15) FORMAT (13x, 'EMD')  RETURN (13x, 'EMD')  RETURN (13x, 'EMD')	FORMAT (1H1; NOTES FOR EX CONTACT (6,91) CRUMO, (0474) CA CONTACT (6,91) CRUMO, (0474) CA CONTACT (6,910) CRUMO FORMAT (17 FERE ARE HO NOTE (6,910) CONTACT (3x; END*) CRUMO END	FORMAT (1H1) - NOTES FOR EM TE (6,91) CRUMO, (DATA! ED TO 10 DE WRITE (6,110) EXMO, CRUMO FORMAT (1 THERE ARE NO NOTE (6,010) GO TO 10 DE WRITE (4,910) DE FORMAT (3½, 'EMD') RETURN EM TO 10 DE FORMAT (3½, 'EMD')
FORMAT (1H1, MOTES FOR EX ANTE (4,91) CRUMO, (DATA(1 GO TO 10 DE WRITE (4,110) EXMO, CRUMO FORMAT (1 THERE ARE NO NOT (50 TO 10 FORMAT (1 THERE ARE NO NOT (50 TO 10 FORMAT (1 THERE ARE NO NOT (1 THERE ARE NOT (	PORMAT (1H1) NOTES FOR EX ANTE (4,91) CRUNO, (DATA (1) 10 10 EXNO, CRUNO (100 WRITE (4,110) EXNO, CRUNO (1) FORMAT (1 THERE ARE NO NOTE (6) 10 10 FORMAT (3x, 'END') PIO FORMAT (3x, 'END') RETURN END')	PORMAT (1H1, MOTES FOR EX AN TE (4,91) CRUMO, (DATA (1 10) EXMO, CRUMO (10) FORMAT (1 THERE ARE HO NOT (1 THERE ARE HOUT (1 THER	FORMAT (1H1; NOTES FOR EX GO TAIL (113) CRUISE (104) CRUNO (104) C	FORMAT (1H1; MOTES FOR EX GOTA (1H1; MOTES FOR EX GO 10 10 10 EXMO, CRUNO (15, 10) FORMAT (1 THERE ARE NO NOTE GO TO 10 FO	FORMAT (1H1) - NOTES FOR EX ANTE (4,91) CRUNO, (DATA (1 1 2) CRUISE 15 CRUISE 15) CRUNO, CRUNO FORMAT (1 THERE ARE HO NOTE (6) TO 10 FORMAT (31, END') CRUNO FORMAT (31, END')	FORMAT (111) - NOTES FOR EX FORMAT (111) - CRUISE - 11 GO TO 10 URITE (4,91) CRUNO (1041) CRUNO	FORMAT (1H1; MOTES FOR EX GOTA (1H1; MOTES FOR EX GO TO 1D WRITE (4,91) CRUNO, CRUNO FORMAT (1 THERE ARE HO NOT GO TO 10 FORMAT (1 THERE ARE HOUT ) (1	FORMAT (1H1; NOTES FOR EX FORMAT (111); CRUISE (1041) GO TO 10 10 EXMO, CRUNO FORMAT (1110) EXMO	FORMAT (1H1; MOTES FOR EX 60 TO 10 T	FORMAT (1H1; MOTES FOR EX AN TE (4,91) CRUMO, (DATA (1 1 2) CRUISE (5,010) EXMO, CRUMO FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (1 THERE ARE NO NOT (1 THERE ARE NOT (1 THERE AR
FORMAT (181) . MOTES FOR ELL 6, 911 CRUNO, (DATAL) 66 TO 10 EXNO, CRUNO 1725, CRUISE 4, 15) CRUNO 1725, CRUISE 4, 15) CRUNO 1725, CRUISE 4, 15) CRUISE 6, 15)	FORMAT (1M1) . MOTES FOR EN 100 CRUNO (100 MTTE (4,91) CRUNO (100 MTTE (4,910)	FORMAT (181) MOTES FOR EXPENDED OF TO	FORMAT (111) . MATES FOR ELL 6, 911 CRUMO, 104 A CLUS 60 TO 10 WRITE (6, 110) EXNO, CRUMO 7 OWAT (1 THERE ARE NO NOT 125, CRUISE (15) CRUMO 7 FORMAT (1 THERE ARE NO NOT 125, CRUISE (15) CRUMO 7 FORMAT (1 THERE ARE NO NOT 100 TO 100 T	FORMAT (181) . MOTES FOR ELL 6. 911 CRUNO, (DATAL) 6. 910 CRUNO, (DATAL) 6. 910 CRUNO CRUN	FORMAT (181) . MOTES FOR ELL 6, 911 CRUNO, 105 AL 18 66 TO 10 EXNO, CRUNO DE FORMAT (1 THERE ARE NO NOTE 1725, CRUISE (1910) FORMAT (1 THERE ARE NO NOTE 1725, CRUISE (1910) FORMAT (1 THERE ARE NO NOTE 1725, CRUISE (1910) END 1) END 1	FORMAT (1M1) . MOTES FOR E. MOT	FORMAT (111) MOTES FOR ELL 6, 911 CRUNO, 105 AL 11 CRUNO,	FORMAT (111) . MATES FOR ELL 6, 911 CRUMO, 104 A CLUS 60 TO 10 WRITE (4, 910) CRUMO, CRUMO FORMAT (1 THERE ARE NO NOT 125, CRUISE (4, 910) FORMAT (1 THERE ARE NO NOT 125, CRUISE (4, 910) FORMAT (1 THERE ARE NO NOT 125, CRUISE (4, 910) FORMAT (1 THERE ARE NO NOT 15) FORMAT (1 THERE ARE NOT 15)	FORMAT (181) . MOTES FOR ELL 60 91) CRUNO, (DATALIE 60 70 10 EXNO, CRUNO DE TEST CRUSE 60 15) CRUNO DE TEST CRUSE 60 10)	FORMAT (181) MOTES FOR ELL 6, 911 CRUNO, 105 AL 18 66 TO 10 EXNO, CRUNO DE FORMAT (1713) CRUSE ARE NO NOTES TORNAT (1714) CRUSE (18) CRUSE (18) CRUSE (19) CRUSE (18) CRUSE (19)
FORMAT (111) MOTES FOR ELLOND (DATE)  FORMAT (111) 'CRUISE (DATE)  FORMAT (111) 'CRUISE (OND)	FORMAT (111) MOTES FOR ELLONG (DATA (111) MOTES FOR ELLONG (DATA (111) "CRUISE (DATA (	FORMAT (111) MOTES FOR ELLONG (DATA (111) MOTES FOR ELLONG (DATA (111) "CRUISE (DATA (	FORMAT (191) MOTES FOR ENTRE (191) CRUMO, (DARAT (191) CRUMO, (DAR	FORMAT (191) MOTES FOR ELLONG (DATE   FORMAT (191) CRUMO, (DATE   FORMAT (191) CRUMO, (DATE   FORMAT (191) CRUMO (	FORMAT (111) MOTES FOR ELLO (1	FORMAT (111) MOTES FOR ELL FORMAT (111) MOTES FOR ELL FORMAT (111) CRUMO, (DATA ELL FORMAT (111) CRUMO, (DATA ELL FORMAT (111) CRUMO  FORMAT (1111) CRUMO  FORMAT (11111) CRUMO  FORMAT (1111) CRUMO  FORMAT (1111) CRUMO  FORMAT (1111) CRUMO  FORMAT (1111)	FORMAT (111) CRUMO, (DATA (111)	FORMAT (191) MOTES FOR ELL FORMAT (191) MOTES FOR ELL FORMAT (191) CRUMO, (DATE) FORMAT (191) CRUMO, (DATE) FORMAT (191) CRUMO O FORMAT (191) CRUMO O FORMAT (191) FORMAT (191	FORMAT (191) MOTES FOR ELLOND (194 L) CRUMO, (194 L	FORMAT (111) MOTES FOR ELLO (1
FORMAT (191) MOTES FOR ELL  FORMAT (191) MOTES FOR ELL  FORMAT (191) CRUMO, (DAY ELL  FORMAT (191) CRUMO, (DAY ELL  FORMAT (191) CRUMO  FORMAT (1910) EXMO, CRUMO  FORMAT (1910)  FORMAT (1910)  FORMAT (1910)  FORMAT (1910)	POR TE (6, 90 EXNO. INANE. IN TE (1, 91) CRUMO. (DAM ELL 91) CRUMO	POR TE (4, 90)  FORMAT (111) MOTES FOR ELL  FORMAT (111) MOTES FOR ELL  FORMAT (111) CRUNO, CRUNO  100 WRITE (4, 910)  FORMAT (112, °CRUSE  60 TO 10  FORMAT (112, °CRUSE  60 TO 10  FORMAT (121, °CRUSE  60 TO 10  FORMA	FORMAT (1M) * MOTES FOR ELL OF TOWNS (1 MAN EL	FORMAT (111) MOTES FOR ELL  FORMAT (111) MOTES FOR ELL  FORMAT (111) CRUMO, (DAY ELL  FORMAT (111) CRUMO, (DAY ELL  FORMAT (111) CRUMO, (DAY  FORMAT (111) CRUMO  FORMAT (1111) CRUMO  FORMAT (11111) CRUMO  FORM	FORMAT (111) MOTES FOR ELL  FORMAT (111) MOTES FOR ELL  FORMAT (111) CRUISE  GO TO 10  WRITE (4,910)  FORMAT (1,910)  FORMAT (1,910)  FORMAT (1,910)  FORMAT (1,910)  FORMAT (1,100)	FORMAT (111) - MOTES FOR ELL FORMAT (111) - MOTES FOR ELL FORMAT (111) - CRUISE 60 TO 10 EXMO, CRUNO FORMAT (111) - CRUISE 60 TO 10 EXMO, CRUNO FORMAT (111) - CRUISE 60 TO 10 EXMO, CRUNO FORMAT (111) - CRUISE 60 TO 10 EXMO, CRUNO FORMAT (111) - CRUISE 60 TO 10 EXMO, CRUNO FORMAT (111) - CRUISE 60 TO 10 EXMO.)	FORMAT (111) MOTES FOR ELL FORMAT (111) MOTES FOR ELL FORMAT (111) CRUNG, (DAY CRUNO FORMAT (111) CRUNO FORMAT (1111) CRUNO F	FORMAT (1M1) - MOTES FOR ELL FORMAT (1M1) - MOTES FOR ELL FORMAT (11) - CRUISE - CRU	FORMAT (111) MOTES FOR ELL  FORMAT (111) MOTES FOR ELL  FORMAT (111) CRUNG, (DAY  FORMAT (111) CRUNG, (DAY  FORMAT (111) CRUNG, (DAY  FORMAT (111) CRUNG, (DAY  FORMAT (111) CRUNG  FORMAT (1111) CRUNG  FORMAT	FORMAT (111) MOTES FOR ELL FORMAT (111) MOTES FOR ELL FORMAT (111) CRUNG, (DAY GO TO 10 WRITE (4,910) FORMAT (1,910)
FORMAT (1M1; MOTES FOR ELL PORMAT (1M1; MOTES FOR ELL PORMAT (1113; CRUISE 60 TO 10 EXMO, CRUNO 17 CRUISE 60 TO 10 EXMO, CRUNO 10 EXMO CRUNO 10 EXMO CRUNO 10 EXMO CRUNO 10 EXMO TO 10	POR TE (4,90) EXMO, (MANE (1)  PORMAT (1M1; MOTES FOR EN  PORMAT (11); CRUISE  FORMAT (11); CRUISE  FORMAT (11); CRUISE  FORMAT (1); CRUISE  FORMA	POD FORMAT (1M1) CRUMO, (MAME (1) CRUMO, (MAME (1) CRUMO, (DATE (1) CRUMO, (DATE MAME (1	PRITE (4,90) ENG. (MANE) 1 CORNAT (111) CRUSE FOR EN CORNAT (111) CRUSE OF 11 CORNAT (111) CRUSE OF 11 CORNAT (111) CRUSE ARE NO NOT (111) CRUSE OF 110) END (111) CRUSE OF 110) CRUSE O	PRITE (4,90) EXMO. (MANE II)  PORMAT (1M1) MOTES FOR EXI  FORMAT (113) CRUMO, OATA  FORMAT (113) CRUMO  FORMAT (113) CRUMO  FORMAT (134) EMO. CRUMO  FORMAT (134) EMO.)  RETURN  END  RETUR	FORMAT (1M1) CRUNG, (MANE (1) FORMAT (1M1) CRUNG, (DAT E 6.91) CRUNG, (DAT E 6.91) EXNO, CRUNO OF FORMAT (1 THERE ARE NO NOT TASS, (CRUISE 4.15) CRUNO OF FORMAT (13x, 'END') CRUNO OF FORMAT (13x, 'END')	FORMAT (1M1; MOTES FOR ENTER (6,91) FORMAT (11); CRUISE 60 TO 10 BRITE (6,110) EXMO, CRUNO 175 CRUISE 60 TO 10 BRITE (6,910) FORMAT (3½; END*)  RETURN END 10 CRUNO 10 FORMAT (3½; END*)  RETURN END 10 CRUNO 10 C	FORMAT (1M1, NOTES FOR ELL FORMAT (1M1, NOTES FOR ELL FORMAT (111), CRUISE (0.11) EXNO, CRUNO (0.11) EXNO (0.	FORMAT (111) - NOTES FOR ENTER (6, 90) ENDO. (0 A A L) FORMAT (113) - CRUISE - 115 FORMAT (13) - END - 1 FORMAT (1	FORMAT (1M1; MOTES FOR ENTER (6,91) FORMAT (111); CRUSE FOR ENTER (6,111) EXMO, CRUNO FORMAT (111); CRUSE FOR MOTES FOR ENTER (6,110) EXMO, CRUNO FORMAT (134; EMD!)  BRITE (6,110) EXMO, CRUNO FORMAT (134; EMD!)  FORMAT (134; EMD!)  RETURN  END	FORMAT (1M1) CRUNG, (MANE (1) FORMAT (1M1) CRUNG, (DATE FORMAT (1) CRUNG, (DATE FORMAT (1) THERE ARE NO NOT TO THE (4,910) CRUNG FORMAT (1) THERE ARE NO NOT TO THE (4,910) CRUNG FORMAT (1) X1,° END*)
PRITE (4,90) EXMO. (MARELL) FORMAT (111) CRUNSE FORMAT (111) CRUNSE GO TO 10 FORMAT (111) CRUNSE GO TO 10 FORMAT (111) CRUNSE FORMAT (111) CRUNSE GO TO 10 FORMAT (111) CRUNSE GO TO 10 FORMAT (111) CRUNSE FORMAT (111) CRUNS FORMAT (1111) CRUNS FORMAT (11111) CRUNS FORMAT (11111)	PO FORMAT (181) - NOTES FOR ELL FORMAT (181) - NOTES FOR ELL FORMAT (181) - CRUISE (4, 191) EXMO, CRUNO (192) ELL FORMAT (181) EXMO, CRUNO (192) ELL FORMAT (181) ELL FORMAT (18	PO FORMAT (181) - NOTES FOR ELL FORMAT (181) - NOTES FOR ELL FORMAT (181) - CRUISE (4.91) EXMO, CRUNO (100) WRITE (4.91) EXMO, CRUNO (100) WRITE (4.910) FORMAT (134, 'EMD') FORMAT (134, 'EMD') FORMAT (134, 'EMD') FORMAT (134, 'EMD')	PORMAT (1H1; MOTES FOR EXI- FORMAT (1H1; MOTES FOR EXI- FORMAT (113; CRUISE '113) GO TO 10 FORMAT (1 THERE ARE WO WOR GO TO 10 FORMAT (1 THERE ARE WO WOR GO TO 10 FORMAT (3x; END')	PRITE (4,90) EXMO. (MARELL) FORMAT (111) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) GO TO 10 BRITE (4,110) EXMO. CRUMO TORNAT (* THERE ARE NO NOT 1725, CRUISE (4,15) GO TO 10 FORMAT (3x,*EMD*) RETURN END	PORNAT (111) - NOTES FOR EXI FORNAT (111) - CRUNS GO TO 10 WRITE (4,10) EXNO, CRUNO FORNAT (* THERE ARE NO NOT 1725, 'CRU15E (15) GO TO 10 FORNAT (* THERE ARE NO NOT FORNAT (* 10) FORNAT (* 10) FORNAT (* 10) FORNAT (* 10) FORNAT (* 10)	PRITE (4,90) EXMO. (MARE!)  FORMAT (111) CRUMO. (DATA!)  FORMAT (113) CRUSE  GO TO 10  WRITE (4,10) EXMO. CRUMO  O TORNAT (1 THERE ARE NO NOT  GO TO 10  FORMAT (31, 'END')  RETURN  END	PRITE (4,90) EXMO. (MARELL) FORMAT (111) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) FORMAT (13) FORMO.) FORMAT (13) FORMO.) FORMAT (13) FORMO.) FORMAT (13) FORMO.)	PORMAT (181; MOTES FOR EXI- FORMAT (181; MOTES FOR EXI- FORMAT (113; CRUISE GO TO 10 WRITE (4,110) EXHO, CRUNO FORMAT (* THERE ARE NO NOT GO TO 10 FORMAT (3x; EMD*)	PRITE (4,90) EXMO. (MARELL) FORMAT (111) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) GO TO 10 BRITE (4,110) EXMO. CRUMO TORNAT (1 THERE ARE NO NOT TORNAT (1 THERE ARE NO NOT TORNAT (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PRITE (4,90) EXMO. (NAME ILL FORMAT (111) CRUNSE 60 TO 10 WRITE (4,10) EXMO. CRUNO 7 FORMAT (* THERE ARE NO NOT 1725. (CRU   SE 60 TO 10 FORMAT (* THERE ARE NO NOT 1725. (CRU   SE 60 TO 10 FORMAT (* 1910) F
PRITE (4,90) EXMO. (MARELL) FORMAT (111) CRUNSE FORMAT (111) CRUNSE GO TO 10 FORMAT (111) CRUNSE GO TO 10 FORMAT (111) CRUNSE FORMAT (111) CRUNSE GO TO 10 FORMAT (111) CRUNSE GO TO 10 FORMAT (111) CRUNSE FORMAT (111) CRUNS FORMAT (1111) CRUNS FORMAT (11111) CRUNS FORMAT (11111)	PO FORMAT (1H1; NOTES FOR ELL F	PO FORMAT (181) - NOTES FOR ELL FORMAT (181) - NOTES FOR ELL FORMAT (181) - CRUISE (4.91) EXMO, CRUNO (100) WRITE (4.91) EXMO, CRUNO (100) WRITE (4.910) FORMAT (134, 'EMD') FORMAT (134, 'EMD') FORMAT (134, 'EMD') FORMAT (134, 'EMD')	PORMAT (1H1; MOTES FOR EXI- FORMAT (1H1; MOTES FOR EXI- FORMAT (113; CRUISE '113) GO TO 10 FORMAT (1 THERE ARE WO WOR GO TO 10 FORMAT (1 THERE ARE WO WOR GO TO 10 FORMAT (3x; END')	PRITE (4,90) EXMO. (MARELL) FORMAT (111) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) GO TO 10 BRITE (4,110) EXMO. CRUMO TORNAT (* THERE ARE NO NOT 1725, CRUISE (4,15) GO TO 10 FORMAT (3x,*EMD*) RETURN END	PORNAT (111) - NOTES FOR EXI FORNAT (111) - CRUNS GO TO 10 WRITE (4,10) EXNO, CRUNO FORNAT (* THERE ARE NO NOT 1725, 'CRU15E (15) GO TO 10 FORNAT (* THERE ARE NO NOT FORNAT (* 10) FORNAT (* 10) FORNAT (* 10) FORNAT (* 10) FORNAT (* 10)	PRITE (4,90) EXMO. (MARE!)  FORMAT (111) CRUMO. (DATA!)  FORMAT (113) CRUSE  GO TO 10  WRITE (4,10) EXMO. CRUMO  O TORNAT (1 THERE ARE NO NOT  GO TO 10  FORMAT (31, 'END')  RETURN  END	PRITE (4,90) EXMO. (MARELL) FORMAT (111) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) FORMAT (13) FORMO.) FORMAT (13) FORMO.) FORMAT (13) FORMO.) FORMAT (13) FORMO.)	PORMAT (181; MOTES FOR EXI- FORMAT (181; MOTES FOR EXI- FORMAT (113; CRUISE GO TO 10 WRITE (4,110) EXHO, CRUNO FORMAT (* THERE ARE NO NOT GO TO 10 FORMAT (3x; EMD*)	PRITE (4,90) EXMO. (MARELL) FORMAT (111) CRUMO. (DATALL) FORMAT (113) CRUMO. (DATALL) GO TO 10 BRITE (4,110) EXMO. CRUMO TORNAT (1 THERE ARE NO NOT TORNAT (1 THERE ARE NO NOT TORNAT (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PRITE (4,90) EXMO. (NAME ILL FORMAT (111) CRUNSE 60 TO 10 WRITE (4,10) EXMO. CRUNO 7 FORMAT (* THERE ARE NO NOT 1725. (CRU   SE 60 TO 10 FORMAT (* THERE ARE NO NOT 1725. (CRU   SE 60 TO 10 FORMAT (* 1910) F
FORMAT (181; MOTES FOR EMPRATOR (181; MOTES FOR EMPRATOR (181; MOTES FOR EMPRATOR (181) CRUNO (181) CR	PORMAT (111) " MOTES FOR EMPRITE (6,10) EXMO, CRUNO FORMAT (112) "CRUISE " 15) " CRUISE " 15) "	FORMAT (111) * MOTES FOR EMPRITE (4, 91) CRUMO, (DATA (11) * MOTES FOR EMPRITE (4, 110) EXMO, CRUMO OF FORMAT (1 THERE ARE NO NOT (1 THERE ARE ARE ARE ARE ARE ARE ARE ARE ARE	FORMAT (111) " MOTES FOR EM ARITE (4,91) CRUNO, (DATA!) END GO TO 10 WRITE (4,110) EXNO, CRUNO FORMAT (113, "CRUISE GO TO 10 WRITE (4,910) FORMAT (13, "EMD") FORMAT (34, "EMD")	PORMAT (111) " MOTES FOR EMPRITE (4, 91) CRUMO, (DATA) (111) " CRUSE " 111) " CRUSE " 111) " CRUSE " 111) " CRUMO OF ORMAT (1 THERE ARE WO NOT (1 THERE ARE WO NOT (1 THERE ARE ARE WO NOT (1 THERE ARE ARE WO NOT (1 THERE ARE ARE ARE ARE ARE ARE ARE ARE ARE	FORMAT (111) " MOTES FOR EM ARITE (6,10) EXMO, CRUNO BRITE (6,10) EXMO, CRUNO D FORMAT (111) "CRUSE GO TO 10 WRITE (6,10) EXMO, CRUNO TO TO T	FORMAT (181) - MOTES FOR EMART (181) - MOTES FOR EMART (181) - CRUISE - 181    FORMAT (181) - END   18	FORMAT (111) - NOTES FOR EX FORMAT (111) - CRUNO. FORMAT (111) - CRUNO.	FORMAT (111) " MOTES FOR EM ARITE (6,10) EXNO, CRUNO BRITE (6,10) EXNO, CRUNO TORNAT (113) "CRUSE GO TO 10 WRITE (6,10) EXNO, CRUNO FORMAT (113) "CRUSE GO TO 10 FORMAT (113) "END.) FORMAT (113) "END.) FORMAT (113) "END.) FORMAT (113) "END.)	FORMAT (111) - MOTES FOR EMPRITE (6,10) EXMO, CRUNO FORMAT (111) - CRUISE (60 TO 10 EXMO, CRUNO FORMAT (1 THERE ARE NO NOT 125, 'CRUISE (1,91) EXMO, CRUNO FORMAT (131, 'EMD')  BRITE (4,91) EXMO, CRUNO DO NOT (131, 'EMD')  BRITE (4,91) EMD')  BRITE (4,90)  BRITE (4,90)  FORMAT (131, 'EMD')  RETURN  END	FORMAT (111) " NOTES FOR EM ARITE (6,91) CRUNO, (DATA!! GO TO 10 WRITE (6,10) EXNO, CRUNO D FORMAT (113,°CRUISE GO TO 10 WRITE (4,910) FORMAT (3x,°END*) FORMAT (3x,°END*) FORMAT (3x,°END*)
FORMAT (181) * MOTES FOR ENTE (6,91) CRUMO, (DATA(1)) CRU	FORMAT (1M1." MOTES FOR ENTE (6.91) CRUMO, (DATA(1))  FORMAT (T13) CRUMO, (DATA(1))  GO TO 10  WRITE (6.10) EXMO, CRUMO  100 WRITE (6.10) EXMO, CRUMO  1725, CRUISE (1.10)  GO TO 10  WRITE (4.910)  FORMAT (31, EMD*)  RETURN  END	## 1 F (6, 90) E MO. (MANE (1)  ## 1 F C MAA I (1) . MOTES FOR E M  GO TO 10  100 WRITE (6, 110) E MO. CRUNO  100 WRITE (6, 110) E MO. CRUNO  100 WRITE (4, 10) E MO. CRUNO  100 WRITE (4, 10) E MO. CRUNO  100 WRITE (4, 10)  GO TO 10  FORMAT (3M. END.)  RETURN  END.	FORMAT (1M1, MOTES FOR ENTE (6,91) CRUMO, (DATA(1) FORMAT (113) 'CRUISE (GO TO 10 EXMO, CRUMO OF FORMAT (1 THERE ARE WO NOT (15) FORMAT (1 THERE ARE WO NOT (15) FORMAT (1 10) END!)  FORMAT (1 10) END!)  FORMAT (1 10 CRUMO OF FORMAT (1 10) END!)  FORMAT (1 10) END!)  FORMAT (1 10) END!)	FORMAT (181) * MOTES FOR ENTE (6,91) CAUMO, (DATA(1)) CAU	FORMAT (1M1, MOTES FOR ENTE (4,91) CRUMO, (DATA(1) FORMAT (113) 'CRUISE '15)  FORMAT (113) 'END')  FORMAT (113) 'END')	FORMAT (1M1." MOTES FOR ENTE (6.91) CRUMO, (DATA(1) FORMAT (T13) CRUMO, (DATA(1) FORMAT (T13) CRUMO, CRUMO (TARE (6.10) EXMO, CRUMO (TARE) EXMO, CRUM	FORMAT (1M1, MOTES FOR ENTE (4,91) CRUNO, (DATA(1) FORMAT (113, 'CRUISE '15) CRUNO (DATA(1) FORMAT (113, 'CRU) (DATA(1) (DATA(1) (DATA(1) (DATA(1)	FORMAT (1M1, MOTES FOR ENTE (6,91) CRUMO, (DATA(1) FORMAT (113) 'CRUISE '1125' CRUISE '15)  FORMAT (113) 'CRUISE '15)  FORMAT (113) 'CRUISE '15)  FORMAT (113) 'CRUISE '15)  FORMAT (113) 'END')  FORMAT (13) 'END')  FORMAT (13) 'END')  FORMAT (13) 'END')	FORMAT (181) * MOTES FOR ENTE (6,91) CRUMO, (DATA(1)) CRU	FORMAT (IM), MOTES FOR ENTE (4,91) CRUMO, (DATA(1) FORMAT (113), CRUISE (113) CRUIS
FORMAT (181) * MOTES FOR ENTE (6,91) CRUMO, (DATA(1)) CRU	FORMAT (1M1." MOTES FOR ENTE (6.91) CRUMO, (DATA(1))  FORMAT (T13." CRUMO, (DATA(1))  FORMAT (T13." CRUMO, (DATA(1))  FORMAT (T13." CRUMO, CRUMO)  FORMAT (T13." CRUMO, CRUMO)  FORMAT (T13." CRUMO, CRUMO)  FORMAT (T13." CRUMO)  FORMAT (T13." CRUMO)  FORMAT (T13." CRUMO)  FORMAT (T13." CRUMO)	## 1 F (6, 90) E MO. (MANE (1)  ## 1 F C MAA I (1) . MOTES FOR E M  GO TO 10  100 WRITE (6, 110) E MO. CRUNO  100 WRITE (6, 110) E MO. CRUNO  100 WRITE (4, 10) E MO. CRUNO  100 WRITE (4, 10) E MO. CRUNO  100 WRITE (4, 10)  GO TO 10  FORMAT (3M. END.)  RETURN  END.	FORMAT (1M1, MOTES FOR ENTE (6,91) CRUMO, (DATA(1) FORMAT (113) 'CRUISE (GO TO 10 EXMO, CRUMO OF FORMAT (1 THERE ARE WO NOT (15) FORMAT (1 THERE ARE WO NOT (15) FORMAT (1 10) END!)  FORMAT (1 10) END!)  FORMAT (1 10 CRUMO OF FORMAT (1 10) END!)  FORMAT (1 10) END!)  FORMAT (1 10) END!)	FORMAT (181) * MOTES FOR ENTE (6,91) CAUMO, (DATA(1)) CAU	FORMAT (1M1, MOTES FOR ENTE (4,91) CRUMO, (DATA(1) FORMAT (113) 'CRUISE '15)  FORMAT (113) 'END')  FORMAT (113) 'END')	FORMAT (1M1." MOTES FOR ENTE (6.91) CRUMO, (DATA(1) FORMAT (T13) CRUMO, (DATA(1) FORMAT (T13) CRUMO, CRUMO (TARE (6.10) EXMO, CRUMO (TARE) EXMO, CRUM	FORMAT (1M1, MOTES FOR ENTE (4,91) CRUNO, (DATA(1) FORMAT (113, 'CRUISE '15) CRUNO (DATA(1) FORMAT (113, 'CRU) (DATA(1) (DATA(1) (DATA(1) (DATA(1)	FORMAT (1M1, MOTES FOR ENTE (6,91) CRUMO, (DATA(1) FORMAT (113) 'CRUISE '1125' CRUISE '15)  FORMAT (113) 'CRUISE '15)  FORMAT (113) 'CRUISE '15)  FORMAT (113) 'CRUISE '15)  FORMAT (113) 'END')  FORMAT (13) 'END')  FORMAT (13) 'END')  FORMAT (13) 'END')	FORMAT (181) * MOTES FOR ENTE (6,91) CRUMO, (DATA(1)) CRU	FORMAT (IM), MOTES FOR ENTE (4,91) CRUMO, (DATA(1) FORMAT (113), CRUISE (113) CRUIS
FORMAT (111) - MOTES FOR ENTE (4,91) CRUMO, (DATA(1)) FORMAT (113) CRUISE (DATA(1)) CRUMO (DATA(1)) CRUMO (DATA(1)) CRUISE (113) CRUISE (113) CRUMO (DATA(1))	## 1 F C C C C C C C C C C C C C C C C C C	PORMAT (11) WOTES FOR ENTE (1,91) CRUMO, (DATA(1)) FORMAT (11); CRUISE (DATA(1)) CRUMO, (DATA(1)) CRUISE (DATA(1)) CRUISE (DATA(1)) CRUISE (DATA(1)) CRUISE (DATA(1)) CRUISE (DATA(1)) CRUMO (DATA(1)) CRUISE (DATA(1)) CRUMO	FORMAT (11) - MOTES FOR ENTE (4,91) CRUMO, (DATA!!) FORMAT (11) - CRUISE - 15 FOR ENTE (4,910) EXMO, CRUMO FORMAT (11) - CRUISE - 15 FORMAT (11) - C	FORMAT (1M1) MOTES FOR ENTE (4,91) CRUMO, (DATA!!) FORMAT (113) 'CRUISE (DATA!!) FORMAT (113) 'CRUISE (113) FORMAT (113) 'END') FORMAT (113) 'END') FORMAT (113) 'END') FORMAT (113) 'END')	FORMAT (11) - MOTES FOR ENTE (4,91) CRUMO, (DATA(1)) FORMAT (11) - CRUISE - 15 FORMAT (11) - CRU	FORMAT (1M1) MOTES FOR ENTE (4,91) CRUMO, (DATA!!) FORMAT (113) 'CRUISE (DATA!!) FORMAT (113) 'CRUISE (DATA!!) FORMAT (113) 'CRUISE (113) FORMAT (113) 'CRUISE (113) FORMAT (113) 'CRUISE (113) FORMAT (113) 'CRUISE (113) FORMAT (113) 'END!) FORMAT (113) 'END!) FORMAT (113) 'END!) FORMAT (113) 'END!)	FORMAT (111) - MOTES FOR EN FORMAT (111) - MOTES FOR EN FORMAT (112) - CRUISE (5.91) END. CRUND (5.11) FORMAT (112) - CRUISE (5.11) END. CRUND (5.11) FORMAT (112) - CRUISE (5.11) END. (5.11) FORMAT (112) - CRUISE (5.11) END. (5.11) EN	FORMAT (111) MOTES FOR ENTE (4,91) CRUMO, (DATA!!) FORMAT (112) CRUISE (DATA!!) FORMAT (112) CRUISE (DATA!!) FORMAT (112) CRUISE (DATA!!) FORMAT (12) CRUISE (DATA!!) FORMAT (12) CRUISE (15) FORMAT (12) CRUISE (15) FORMAT (12) 'END') FORMAT (12) 'END') FORMAT (12) 'END')	FORMAT (1M1) MOTES FOR ENTE (4,91) CRUMO, (DATA!!) FORMAT (113) 'CRUISE (DATA!!) FORMAT (113) 'CRUISE (4,910) END. CRUMO (DATA!!) FORMAT (113) 'END') FORMAT (113) 'END') FORMAT (113) 'END')	FORMAT (111) - MOTES FOR ENTE (4,91) CRUNG, (DATA(1)) FORMAT (113) CRUISE (DATA(1)) CRUISE
FORMAT (181) MOTES FOR ENTRE (4,91) CRUND, (DATA(1)) CRUISE FOR ENTRE (4,91) CRUISE FOR ENTRE (4,110) EXHO, CRUND FORMAT (1 THERE ARE NO NOT (50 TO 10) FORMAT (31,10) END (1) CRUISE FOR ENTRE (4,910) FORMAT (31,10) F	PORMAT (111) MOTES FOR EN FORMAT (111) MOTES FOR EN FORMAT (111) CRUISE (111) CRUIS	PORMAT (1M1, MOTES FOR EN FORMAT (1M1, MOTES FOR EN FORMAT (111), CRUISE (101) FORMAT (111), CRUISE (111) FORMAT (111), CRUISE (111) FORMAT (111), END, CRUISE (111) FORMAT (111) FORM	FORMAT (181, MOTES FOR ENTE FORMAT (181, MOTES FOR ENTE (4,91) CRUMO, (DATA(1) FORMAT (113, CRUISE (6,1) DEND, CRUMO (10,1) CRUMO (10,1	FORMAT (111) MOTES FOR ENTRE (4,91) CRUND, (DATA(1) CRUSE GO TO 10 CRUND, (DATA(1) CRUSE CO TO 10 CRUND CRUN	FORMAT (1M1, MOTES FOR ENTE (4,91) CRUMO, (DATA(1)) FORMAT (113, CRUISE (5,10) EXMO, CRUMO (125, CRUISE (5,10) EXMO, CRUMO (125, CRUISE (5,10) EXMO, CRUMO (125, CRUISE (5,10) (125, CRUIS	FORMAT (181) MOTES FOR ENTERNO, INAME (1) FORMAT (181) MOTES FOR ENTERNO, INAME (1) FORMAT (1) FORMO, INAME (1) FORMO, INAME (1) FORMAT (1) FORMO, INAME (1) FORMO, IN	FORMAT (181) MOTES FOR ENTE (4,91) CRUND, (DATA(1)) FORMAT (113) CRUISE (5,10) EXNO, CRUND FORMAT (113) CRUISE ARE NO NOT (50 10) FORMAT (114) (115) (	FORMAT (1M1, MOTES FOR ENTE FORMAT (1M1, MOTES FOR ENTE (4,91) CRUMO, (DATA(1)) CRUMO (DATA(1)	FORMAT (111) MOTES FOR ENTRE (6,901) ENMO, (DATA (1) CRUISE GO TO 10 D ENMO, CRUISE GO TO 10 D ENDO, 15) CRUISE GO TO 10 D ENDO, 15) ENDO, 15) CRUISE GO TO 10 D E	FORMAT (1M1. MOTES FOR EN FORMAT (1M1. MOTES FOR EN FORMAT (1113, CRUISE 60 TO 10 BRITE (4,110) EXMO,CRUNO FORMAT (1 THERE ARE NO ROT (0 TO
FORMAT (111) MOTES FOR ELL FORMAT (111) MOTES FOR ELL FORMAT (111) CRUNG (DATA (111)	PORMAT (111) MOTES FOR ELL OF FORMAT (111) MOTES FOR ELL OF 100 EXMO, CRUNO (100 FORMAT (111) CRUSE ARE NO NOT (110 FORMAT (1110) EXMO, CRUNO (110 FORMAT (110) EXMO, CRUNO (110 FORMAT (110) EXMO, CRUNO (110) FORMAT (11	PORMAT (1M1, MOTES FOR EMITE (6,901) EMMO, (DATA (1) 100 EM OF TOWN (DATA (1) 100 EM O, (DATA (1) 100 EM O	FORMAT (111) MOTES FOR ENTE (4,91) CRUND, (DATA(1)) FORMAT (111), CRUISE (50) FORMAT (111), CRUISE (50) FORMAT (111), CRUISE (50) FORMAT (1110) EXNO, CRUND (1110) END (1110) EN	FORMAT (111) MOTES FOR ELL FORMAT (111) MOTES FOR ELL FORMAT (111) CRUMO, (DATA(1) FORMAT (111) CRUMO CRUMO FORMAT (1110) EXMO, CRUMO FORMAT (1110)	FORMAT (111) MOTES FOR ENTE (6,901) ENMO, (DATA(1)) FORMAT (113) CRUISE (6,01) ENMO, CRUNO FORMAT (114) ENMO, CRUNO FORMAT (114) ENMO, CRUNO FORMAT (114) ENDO, CRUNO FORMAT (115) (110) ENMO, CRUNO FORMAT (115) (110) ENDO, CRUNO FORMAT (110)	FORMAT (1.10) ENGLES FOR ENTE (4.91) CRUND, (DATA(1)) FORMAT (1.10) CRUND, (DATA(1)) FORMAT (1.10) END, CRUND (1.10) END	FORMAT (111) MOTES FOR ELL FORMAT (111) MOTES FOR ELL FORMAT (111) CRUNG (DATA (111)	FORMAT (111) MOTES FOR ENTE (4,91) CRUND, (DATA(1)) FORMAT (111) CRUISE (5,10) EXNO, CRUND (112) CRUISE (5,10) EXNO, CRUND (112) CRUISE (5,10) EXNO, CRUND (112) CRUISE (5,10) (113) CRUISE (5,10) CRU	FORMAT (111) - NOTES FOR ELL FORMAT (111) - NOTES FOR ELL FORMAT (111) - CRUISE FOR ELL FORMAT (111) - CRUISE ARE NO NOTES FOR ELL FORMAT (111) - CRUISE ARE NO NOTES FORMAT (111) - CRUISE ARE N	FORMAT (111) MOTES FOR ENTE (6,901) ENMO, (DATA (11) MOTES FOR ENTE (6,911) CRUMO, (DATA (11) CRUMO, CRUM
FORMAT (141) - MOTES FOR ELL RAND, (NAME (1)) - MOTES FOR ELL RAND, (DATA (1)) - CRUISE - CRUNO FORMAT (1) - THERE ARE NO NOTE - CRUISE -	POR MATTE (4,910) EXMO, (NAME (1))  RAITE (4,91) CRUMO, (DATA (1))  ROTTE (4,91) CRUMO, (DATA (1))  ROTTE (4,110) EXMO, CRUMO  1725, 'CRUISE (4,10)  FORMAT (1 THERE ARE NO NOT (1))  FORMAT (1 THERE ARE NO NOT (1))  FORMAT (1 THERE ARE NO NOT (1))  RETURN  END	POR MATTE (4, 90) EXMO. (NAME (1) EXMO. (NAME	FORMAT (111) - NOTES FOR ELL FORMAT (111) - NOTES FOR ELL FORMAT (111) - NOTES FOR ELL FORMAT (111) - CRUISE OF TORUNO FORMAT (111) - CRUISE ARE ARE ARE ARE ARE ARE ARE ARE ARE AR	FORMAT (140) EXMO, (NAME (1) FORMAT (141) • NOTES FOR ELL AND 10 FORMAT (113) • CRUISE • 15) FORMAT (113) • CRUISE • 15) FORMAT (114) • END • 15 • END • 10 FORMAT (114) • END • 10 FORMAT (115) • END • ID • END	FORMAT (111) - NOTES FOR ELL FORMAT (111) - NOTES FOR ELL FORMAT (111) - CRUISE FOR ELL FORMAT (111) - CRUISE FOR ELL FORMAT (111) - CRUISE FORMAT (111) -	FORMAT (111) - NOTES FOR ELL FORMAT (111) - NOTES FOR ELL FORMAT (111) - CRUISE FOR ELL FORMAT (111) - CRUISE	FORMAT (111) - MOTES FOR ELL FORMAT (111) - MOTES FOR ELL FORMAT (111) - CRUISE (101) EXMO.CRUNO FORMAT (111) - CRUISE (111) EXMO.CRUNO FORMAT (1110) EXMO.DE FORMAT (1110) EXMO.CRUNO FORMAT (1110) EXMO.DE FORMAT (11	FORMAT (111) - NOTES FOR ELL FORMAT (111) - NOTES FOR ELL FORMAT (111) - NOTES FOR ELL FORMAT (111) - CRUISE OF TORNAT (111) - CRUISE ARE NO NOTES FORMAT (111) - CRUISE ARE NOTES FORMAT (111) - CRUISE FORMAT (111) - CR	FORMAT (110) END. (100 END	FORMAT (111) - NOTES FOR ELL FORMAT (111) - NOTES FOR ELL FORMAT (111) - NOTES FOR ELL FORMAT (111) - CRUISE (1
CALL NAME 17 (1, EMO, NAME 17 (1, EMO, NAME 17 (1, 10) EMO, (DATA(1) EMO, CRUNO (CRUNO	CALL NAME 17 (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	CALL MANE 17 (1, EMO, MANE 17 (1, EMO, MANE 17 (1, 10) EMO, (MANE	CALL MARE 17 11-2-10-10-10-10-10-10-10-10-10-10-10-10-10-	CALL NAME 17 (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	CALL MANE 17 (1640) NAME (17)  WRITE (4,91) CRUMO, CDATA(18)  FORMAT (113) CRUSE  GO TO 10  FORMAT (1 THERE ARE NO NOT  TOSMAT (1 THERE ARE NO NOT  TOSMAT (1 THERE ARE NO NOT  FORMAT (1 THERE ARE NOT  FORMAT	CALL MARE 17 11 EXION PRINTER 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FORNAT (11) ENO. (BARELL)  FORNAT (11) CRUNO, (DATA(1)  FORNAT (11) CRUNO, (DATA(1)  FORNAT (11) CRUNO, (RUNO  FORNAT (1 THERE ARE NO NOT  FORNAT (1 THERE ARE NO	CALL MANE 17 11-2-10-10-10-10-10-10-10-10-10-10-10-10-10-	CALL NAME 17 (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	CALL MANE 17 (1, EMO, MANE 17 (1, EMO, MANE 17 (1, 10) EMO, MANE 17 (1, 10) EMO, COMPACING GO TO 10 CAUSE (1, 10) EXNO, CRUNO FORMAT (1, THERE ARE NO NOT 1725, CRUISE (1, 10) EXNO, CRUNO FORMAT (1, THERE ARE NO NOT 1725, CRUISE (1, 10) CAUSE (1, 10) CAUS
CALL NAME 17 (1,6 2 MO, MANE 18 (1,90) E MO, MANE (1) FORM 1 (1,91) CRUISE FORM 1 (1,91) CRUISE FORM 1 (1,91) CRUISE FORM 1 (1,910) E MO, CRUNO D FORM 1 (1,910) E MO (15) CRUISE (1,910) FORM 1 (1,910)	CALL NAME 17 (1,6 100, NAME 18 (1,9 10)  FORM 1 (1,9 1) CRUIS (1,0 10)  FORM 1 (1,9 1) CRUIS (1,0 10)  FORM 1 (1,1 10) EXNO, CRUNO  FORM 1 (1,1 10)	CALL NAME 17 (1,6 2 NO, NAME 18 (1,90) E NO, NAME (1) POR 18 (1,91) CRUISC (1,91) CRUI	CALL NAME 17 (1,6 100, NAME 18 (1,0) CANO, NAME (1) CANO, NAME (1) CANO,	CALL NAME 17 (1) EXNO, NAME 18 (1) FORMAT (1) CRUING, (DATA (1) CRUING, (DATA (1) CRUING, (DATA (1) CRUING, (DATA (1) CRUING, CRUING	CALL NAME 17 (1,6 2 NO, NAME 18 (1,9 1) (2,0 0	CALL NAME 17 (1,6 100, MANE 18 (1,9 1) (1,6 10) (1,0 1	CALL NAME 17 (1,6 2 MO, MANE 18 (1,90) E MO, NAME (1) FORM 1 (1,0) CRUNO, (DATA (1) CRUNO, CRUNO TO MAT (1) CRUSE (1,0) E MO, CRUNO TO MAT (1) THERE ARE HO NOT (1) CON (1) CRUNO TO MAT (1) THERE ARE HO NOT (1) CON (1) CRUNO TO MAT (1) THERE ARE HO NOT (1) CON (1) CRUNO TO MAT (1) THERE ARE HO NOT (1) CON (1) CRUNO TO MAT (1) THERE ARE HO NOT (1) CON (1) CRUNO TO MAT (1) THERE ARE HO NOT (1) CON (1) CRUNO TO MAT (1) THERE ARE HO NOT (1) THERE ARE HOS (1)	CALL NAME 17 (1,6 100,0 MANG 18 MANG 18 MANG 17 MANG 18 MANG 1	CALL NAME 17 (1) EXNO, NAME 18 (1) OF STATE (6, 91) CRUISC (96) END (10 EXNO) CRUISC (1) 10 EXNO, CRUISC (	CALL NAME 17 (1,6 2 NO, NAME 18 (1,90) E NO, NAME (1) FORM 1 (1,0) CRUNO, (DATA (1) CRUNO, (DATA (1) CRUNO) CRUNO CONTROL OF CRUNO CRUNO CONTROL OF CORAT (1,0) CRUNO CR
CALL NAME IT (1, EXNO, NAME	CALL NAME IT (1, EXNO, NAME ) NAME ) NAME ) NAME   PORTITE (4, 90) CRUNO, (DATA (1) CONTACT   PORTITE (4, 91) CRUNO, CRUNO   PORTITE (4, 910) EXNO, CRUNO   PORTITE (4, 910) EXNO, CRUNO   PORTITE (4, 910)	CALL NAME IT (1, EXNO, NAME	CALL NAME 17 (1, EXNO, NAME, NAME 18 (1, 90) EXNO, (NAME 11) FORMAT (111), NOTES FOR ACT (1, 91) CRUNO, (DATA (1) CON (1) CRUNO (1) CRUN	CALL NAME T (1, EXNO, NAME ) NAME 1	CALL NAME IT (1, EXNO, MAME   P.   FORMAT (111)   NOTES FOR ENE FORMAT (111)   CRUMO, (DATA (1) FORMAT (112)   CRUMO, (DATA (1) FORMAT (1)   FARE NO CRUMO OFFICE (4, 910) FORMAT (1)   FARE NO NOTE CONTACT (1)   FARE NOTE C	CALL NAME IT (1, EXNO, NAME, NAME   N	CALL NAME IT (1, EXNO, NAME	CALL NAME 17 (1, EXNO, NAME, N	CALL NAME IT (1, EXNO, NAME ) NAME	CALL NAME IT (1, EXNO, NAME   P.   FORMAT (1)   1, MOTES FOR ENI FORMAT (1)   1, MOTES FOR ENI GO TO 10 WRITE (4, 91) CRUMO, (DATA (1) FORMAT (1)   1, CRUISE GO TO 10 WRITE (4, 910) FORMAT (3x, ENO)
CALL NAME 1 TILEANO, NAME, NAM	CALL NAME 1 TILEANO, NAME, M.  WRITE (4.90) EXMO. (NAME IT)  FORMAT (111) CRUISE  60 TO 10  FORMAT (113) CRUISE  1725, CRUISE  CO TO 10  FORMAT (134, EMD.)  FORMAT (34, EMD.)  RETURN  END	CALL NAME 1 TILEANO, NAME, NAM	CALL MAME T 11.E.MO. MAME, M. CALL WANTE (4.90) EXMO. CRANE (1) CRUNE CONTO CO	CALL MAME T TILEANO, MAME, M.  WRITE (4, 90) ENG. [MARE] TO	CALL MAME T 11.E.MO. MAME, M.  WRITE (4.90) E.MO. (MAME, II) FORMAT (111), CRUMO, (DATA ELL) FORMAT (111), CRUMO, (DATA ELL) FORMAT (111), CRUMO, CRUMO D FORMAT (111), CRUSE GO TO 10 FORMAT (111, EMO, CRUMO D FORMAT (111, EMO, CRUMO FORMAT (111, EMO, CRUMO FORMAT (111, EMO, CRUMO FORMAT (111, EMO, )  RETURN END	CALL MAME T 11.E.MO. MAME, M. CALL MAME T 11.E.MO. CRANG TO	CALL MAME T 11.E.MO. MAME, M.  WRITE (4.90) ENG. (MAME, II)  FORMAT (111), CRUMO, (DATA (11)  FORMAT (11), CRUMO, (DATA (11)  FORMAT (11), CRUMO, CRUMO  OFORMAT (11), CRUMO  OFORMAT (13), FMO.)  RETURN  END  FORMAT (3), FMO.)	CALL MAME T 11.E.MO. MAME, M. CALL MAME T 11.E.MO. CRANG, CRANG, CRUSE COTO 10 CRNA, CRUSE COTO 10 CRNAT (1 THERE ARE NO NOT CRNAT (1 10) E.MO.)  RETURN (1 1 1 2 CRN )  RETURN (1 1 1 2 CRN)	CALL MAME T 11.E.MO. MAME, M. TORMAT TORMAT (111), CRUISE OF EM EM EM TORMAT (111), CRUISE OF TORMAT (	CALL MAME T TILEANO, MAME, MITE (4, 90) EXMO, (MAME, II) FORMAT (111), NOTES FOR ELLOND (DATE II) FORMAT (111), CRUMO, CRUMO OF FORMAT (111), CRUMO, CRUMO OF FORMAT (111), CRUSE (4, 910) OF FORMAT (121, 600) OF FORMAT (
CALL WANEIT (11 EXNO, WANEIN CALL WANEIT (12 EXNO, WANEIT)  FORMAT (111) CAUSE  GO TO 10  WRITE (4, 110) EXNO, CRUNO  FORMAT (1713, CAUSE  GO TO 10  WRITE (4, 110) EXNO, CRUNO  FORMAT (134, END)  O FORMAT (134, END)  RETURN  END	CALL WANEIT (11 EXNO, WANEIN CALL WANEIT (12 EXNO, WANEIT)  FORMAT (111) CAUNO, CRUNO  FORMAT (113) CAUSE  GO TO 10  WRITE (4, 110) EXNO, CRUNO  FORMAT (13, 'END')  O RETURN  END  FORMAT (3x, 'END')  RETURN  END	CALL WANEIT (11 EXNO. WANEIN CALL WANEIT (12 EXNO. WANEIT)  RATTE (4, 90) CAUNO. CRUNO  FORMAT (T13. CAUSE  GO TO 10  WRITE (4, 10) EXNO. CRUNO  TORNAT (13. 'END')  FORMAT (13. 'END')  RETURN  END  RE	CALL WANEIT (11 EXNO, WANEIN WATTE (4, 90) EXNO, CRUNG (10 EX	CALL WANEIT (11 EXNO, WANEIN CALL WANEIT (12 EXNO, WANEIT)  FORMAT (111) CAUNO, CRUNO  FORMAT (113) CAUSE  GO TO 10  WRITE (4, 110) EXNO, CRUNO  FORMAT (13, 'END')  O RETURN  END  FORMAT (3x, 'END')  RETURN  END	CALL WANEIT (11 EXNO, WANEIT (12 EXNO, WANEIT) (12 EXNO, CRANE(1) END. (12 EXNO, CRUNO) (13 EXNO, CRUNO) (13 EXNO, CRUNO) (13 EXNO, CRUNO) (14 EXNO, CRUNO) (15	CALL WANEIT (11 EXNO, WANEIN CALL WANEIT (11 EXNO, CRUNG,	CALL WARE T (11 EXNO, WARE T)  WRITE (4, 90) EXO, WARE (1)  FORMAT (113, 'CRUISE FOR EXI  FORMAT (113, 'CRUISE ON ORUNO  FORMAT (113, 'CRUISE ORUNO)  FORMAT (113, 'END')	CALL WANEIT (11 EXNO, WANEIN WRITE (4,90) EXNO, WANEIT (18 EXNO, WANEIT) WATE FOR EXTENT OF TIS, CRUISE OF TO TO TO THE TO	CALL WANEIT (11 EXNO, WANEIN CALL WANEIT (11 EXNO, CRUNE) FOR EXTENT (11 ) CRUISE FOR EXTENT (11 ) CRUISE (11	CALL WARE T (11 EXNO, WANE (1)  WRITE (4, 90) EXO, (WANE (1)  FORMAT (11), 'CRUISE  FORMAT (1), 'CRUISE  FORMAT (1
CALL MAME 1 (1.E.MO, MAME 1)  WRITE (6.91) CRUMO, (DATA (1)  FORMAT (113, 'CRUISE FOR EXI  GO TO 10  WRITE (4.910)  FORMAT (1 THERE ARE NO NOT  1725, 'CRUISE (10)  FORMAT (1 THERE ARE NO NOT  FORMAT (1 THERE ARE NOT  FORMAT (1 THERE ARE NOT  FORMAT (1 TH	CALL MAME 1 (1.E.MO, NAME (1.E	CALL MAME 1 (1.640, MAME 1)  WRITE (4.91) CRUMO, (DATA (1.640) EANO, (DATA (1.13), CRUISE  FORMAT (1.13), CRUISE  FORMAT (1.14), CRUISE  FORMAT (1.15), CRUISE  FORMAT (1.16), CRUISE  FORMAT (1.16), CRUIS  FORMAT (1.16), CRUISE  F	CALL MAME 1 11 E MO, MAME 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CAL MANE 1 (1.640, NAME 1)  WRITE (6,91) CRUMO, (DATA (1.64,91) CRUMO, (DATA (1.12), CRUISE  GO TO 10  WRITE (4,91) CRUMO, CRUMO  FORMAT (1.13), CRUISE  GO TO 10  FORMAT (1.14), CRUISE  1725, CRUISE  GO TO 10  FORMAT (34, END')  RETURN  END	CALL MANE 1 11 E MO, MANE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CALL MANE 1 11 EANO, NAME 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CALL MANE 1 (1.62NO, NAME 1 (1.62NO, NAME 1) (1.62NO, NAM	CALL MAME 1 11 E MO, MAME 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CALL MAME 1 (1, EANO, MAME 1)  WRITE (4, 91) CRUMO, (DATA (1)  FORMAT (113, 'CRUSE FOR EXION (1)  FORMAT (113, 'CRUSE (1)  FORMAT (113, 'CRUSE (1)  FORMAT (113, 'CRUSE (1)  FORMAT (113, 'CRUSE (1)  FORMAT (13, 'END')  FORMAT (13, 'END')  RETURN  END	CALL MAME 1 11 EANO, MAME 1 1 1 EANO, MAME 1 1 1 EANO, MAME 1 1 1 EANO, MAME 1 1 EANO, MAME 1 1 EANO, MAME 1 1 EANO, MAME 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CALL NAME T (16 2 NO 2 N	CALL NAME T (1 LE NO LANG TO WATE T (1 LE NO LANG TO L	M = 140MCARDS + 17   MANE 1		CALL NAME T (1 LE MONE AND CALL NAME T (1 LE MOTE S	M = 14-NCARDS + 17   MANE 1	CALL NAME T (1.6.2 NO. MANE T WATE T (1.6.2 NO. MANE T (1.6.4 NO. E. MOTES FOR ELL FORMAT (1.1.1) CRUNO, CRUNO TO	M = 140MCARDS + 17   MANE 1   12   12   12   12   13   13   13		CALL NAME T (12 EMO, MAME T MENTE T (12 EMO, MAME T MENTE T (12 EMO, MAME T MENTE T ME	CALL NAME T (1 E XNO MANE T NO CALL NAME T (1 E XNO CANO CALL NAME T (1 E XNO CANO CANO CANO CANO CANO CANO CANO CA
CALL NAME 17 (1,6 2 MO, MAME 17 (1,6 2 MO, MAME 17 (1,6 2 MO) E SMO, MAME 17 (1,6 1) CRUND, (DATA (1) 10 C	CALL NAME 17 (14 EXNO MAME 18 (4 90) EXNO MAME (1) FORMAT (111) 'CRUISE FOR ELL POINT (111) EXNO CRUNO FORMAT (111) FORMAT (111) EXNO CRUNO FORMAT (111) FORMAT	CALL NAME 17 (1,6 2 NO 2 NAME 18 (4,90) E NAO, CRUND (5,00) E NAO,	M = 14°NCARDS	CALL NAME 17 (14 EXNO MAME 18 (14 PM MAME 18 (14 PM) EXNO MAME (17 PM MAME 18 PARE 18	CALL NAME 17 (1,6 2 MO, MAME 18 (4,90) E MO, MAME 17 (1,6 2 MOTES FOR E(1) FORMAT (113,°CRUISE FORMAT (113,°CRUISE FORMAT (113,°CRUISE ARE WO NOT (1125,°CRUISE (4,910) FORMAT (132,°CRUISE (4,910) FO	CALL NAME 17 (14 EXMORNAME 18 CALL NAME 17 (14 EXMORNAME 17 CALL NAME 17 (14 EXMOR CALL NAME 17 (14 EXMOR CALL NAME 17 (14 EXMOR CALL CALL NAME 17 (14 EXMOR CALL CALL NAME 17 (14 EXMOR CALL NAME 17 EXAMENT (14 EXMOR CALL NAME 17 EXAMENT (14 EXMOR CALL NAME 17 EXAMENT (14 EXMOR CALL NAME 18 EXMOR C	WE   14.00 CALL NAME   1   1.00 CALL NAME   1   1.00 CALL NAME   1   1.00 CALL NAME   1   1.00 CALNO   1.00	M = 14°NCARDS	CALL NAME 17 (14 EXNO MAME 18 (4, 91) CRUMO, (DATA LILL FORMAT (11), 'CRUISE FOR ELL FORMAT (11), 'CRUISE FORMA	CALL NAME 17 (14 EXNOCHAME 18 (14 PO) EXNO. NAME (17 PO) EXNO. (17 PO) E
MCANDS   M	MCANDS   M	MCANDS   MCAND   MCA	MCARDS   GO   CO   CO   CO   CO   CO   CO   CO	MCANDS   MCANDS   MCANDS   MCAL   MANGAROS   19   MCAL   MCANDS		MCANDS-EGIOT   CALL MARGANS   19   CALL MARGANS   CALL		MCARDS   GO   CO   CO   CO   CO   CO   CO   CO	MCANDS-EGIOT   CALL MAREANS   19   CALL MAREANS   CALL MARE	
F	F	F	F	F	F	F	F	F	F	F
F (NCARDS-ER-0) 60 TO 100   N	F (NCARDS - EQ. 0) 60 TO 100   N	F (NCARDS - EQ. 0) 60 TO 100   N	F (NCARDS-EQ.0) GO TO 100   N	F (NCARDS-ER-0) 60 TO 100   N	F (NCARDS.EQ.0) GO TO 100   N	F (NCARDS - EQ. 0) GO TO 100   N	F (NCARDS - EQ. 0) 60 TO 100   N	F (NCARDS-EQ.0) GO TO 100   N	F (NCARDS-EQ.0) 60 TO 100   N	F (NCARDS-EQ.0) GO TO 100   N
					F   NCARDS = FLD(18,18,0ATA/2)     F   NCARDS = FLD(18,18,0ATA/2)     A		F   NCARDS = FLOCIS   10   10   10   10   10   10   10   1			
NCAROS - FLD 118, 18, 0A7A (2)  1				NCAROS - FLD 118, 18, 0A7A (2)  1			NCAROS - FLD 118, 18, 0A7A (2)  1		NCAROS - FLD 118, 18, 0A7A (2)  1	
NCARDS = FLD(18,16,0A7A(2)  IF (NCARDS-E8.0) 60 TO 100  A = 14-NCARDS + 17  CALL NAME 17 (1,EMO,NAME,1)  CALL NAME 17 (1,EMO,NAME(1))  FORMAT (1,10) EXHO,CRUNO  FORMAT (1,10)  FO			NCARDS = FLD(18,16,0A7A(2)  IF (NCARDS-E8.0) 60 TO 100  A	NCARDS = FLD(18,16,0A7A(2)    F (NCARDS-E8.0) 60 TO 100   CALL MANEARDS + 17   CALL MANEARDS	NCARDS = FLD(18,16,0A7A(2)  IF (NCARDS-E8.0) 60 TO 100  A = 14-NCARDS + 13  CALL NAME 17 11-EANO,NAME 17)  FORMAT (1M1, NOTES FOR EN  FORMAT (1M1, NOTES FOR EN  FORMAT (113, CRUISE  60 TO 10  BRITE (4,91) EXNO,CRUNO  7 ORNAT (1 THERE ARE NO NOT  1725, CRUISE  60 TO 10  FORMAT (1 THERE ARE NO NOT  FORMAT (1 THERE ARE NOT	NCARDS = FLD(18,16,0A7A(2))  If (NCARDS-E8.0) 60 TO 100  A	NCARDS = FLD(18,16,0A7A(2)  IF (NCARDS-E8.0) 60 TO 100  A = 14-NCARDS + 17  CALL NAME 17 (1,EMO,NAME 17)  CALL NAME 17 (1,EMO,NAME 17)  FORMAT (1,10) EXNO,CRUNO  FORMAT (1,10	NCARDS = FLD(18,16,0A7A(2)  IF (NCARDS-E8.0) 60 TO 100  A	NCARDS = FLD(18,16,0A7A(2)  IF (NCARDS-E8.0) 60 TO 100  IN 19 (NCARDS-E8.0) 60 TO 100  CALL MAME A TO 10 EXMO, (NAME II)  FORMAT (11), CRUISE  FORMAT (11), CRUISE  FORMAT (11), CRUISE  GO TO 10  WRITE (4,91) EXMO, CRUNO  FORMAT (11), CRUISE  GO TO 10  WRITE (4,910)  FORMAT (11), CRUISE  GO TO 10  FORMAT (11), CRUISE  FORMAT (11), CRUISE  GO TO 10  FORMAT (11), CRUISE  FORMAT (11), CRUISE  FORMAT (11)	NCARDS = FLD(18,16,0A7A(2)  IF (NCARDS-E8.0) 60 TO 100  A

C G PROGEN D PAIL SILE OF WAS FOUND TO CONTINUED TO CONTINUE TO CONTIN	,	SCHOOL IN TAKE OF THE PARTY OF
C C (114812-2 FOR ACOUSTICE TO AND ACCUSATION ACCUSATIO	,	OF HUNS FOR CONSTANTS, AND THE NUMBER
MP		IAMETERS AND VAMIABLES (IF NUNZENO).
10		CIT INICGER (A-2)
10   10   10   10   10   10   10   10		
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•	. NENPAR, EN	
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:	AAATAN LOOPAN AATAN LOOPAN AATAN LOOPAN AATAN AA	
::	RQUESTION	
10.	END	
=	EXPRINT PROC	
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15.	END	
	CRUISE PROC	
17.	COMMON /CRUISE/CRUNG,PAX	
	3) LYGEYS	
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20.		
21.	ASTATA	The second secon
22.	COMMON /ASTATN/	
	ON THE	
24.	TOTAL SOUR SOUR SOUR SELECTION SELEC	
27.	RINO, RIDA	
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32.	BATHY, IMPO(4), RSTAT(2), RUNEC	
33.	END	
34.	CPV PROC	
	Council Add to the council	
	END	
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38.	20036	
-	END	THE RESERVE AND ADDRESS OF THE PROPERTY OF THE
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42.		
:	END	
. 44	GETLST PROC	
45.	MOMMON	A CONTRACTOR OF A CONTRACTOR O
46.		
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	SUBMOUTINE PERCENTIVALUE, UNICOE, UNITS)
	C TABLE OF PERCHT NEASUNE CONVERSION FACTORS.
.	INTEGER ENTRY 13121 LUNITS 141 LUNIC DE
	C FACTORS ANE DOUBLE PRECISION.
	DOUBLE PRECISION FACTORIS!
	C PUT UNIT CODES INTO EMIRY.
	DATA (ENTRY(I.112.121.31/42.43.44/
	C PUT IN ALPHA UNITS.
• • •	DATA (SENIMICALIFER SELECTION OF COMPANY OF
20.	C ENTER INTERNAL UNITS.
22.	UNITS(1) . PERCEN. UNITS(4) . (1)
24.	C IF UNICOG OF THEN SET CODE TO STANDARD UMITS.
26.	
29.	C SET CONVERSION FACTORS.
30.	
	IF CODE IS IN TABLE, PERFORM CONVERSION: ALSO: ENTER UNITS ALPHA
16.	1CODE+1ABS(UNICOE)
37.	
39.	IF LONGOR SE OF YALVE VALUE OF ACTUR (1)
	DO 1 Jel. 2
42.	UNITS(J) - ENTRY (J+1,1)
	-
45.	C AT THIS POINT, CONVERSION IS COMPLETE.
47.	RETURN
19.	C ELSE, CHECK NEST OF TABLE.
50.	
51.	2 CONTINUE
	of the not county actual with builts supply in supply.

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5										1
										1
				A-	98					
	57. PRINT 101,1CODE 54. 131, NOT IN PER CENT TABLE.") 54. RETURN END 64. END	PRINT TO LICODE  101 FORMATI: ERRORUNIT CODE:,13," NOT IN PER CENT TABLE.")  END  END	PRINT TO LICODE  101 FORMATI: ERRORUNIT CODE:,13,* NOT IN PER CENT TABLE.*)  END  END	PRINT IOI, TCODE I.S NOT IN PER CENT TABLE.'.) FORMATI: ERORUMIT CODE I.S NOT IN PER CENT TABLE.'.) END END	59. 141 FORMATI' ERRORUNIT CODE', 13," NOT IN PER CENT TABLE.') 59. END 60. END	59. 101 FORHAT TO 1700C. 59. RETURN 60. END 60	SS. 101 PORMAT CRORUMIT CODE., 13. MOT IN PER CENT TABLE)  SO. END  AU.	SS. 101 FORMATION EMON-LUMIT CODE*,133* MOT IN PER CENT TABLE**)  SS. RITURN  SS. END  TO THE TABLE**)  SS. END  TO THE TABLE**)	54. IN TORRATION ERORS-UNIT CODE ., 13, " NOT IN PER CENT TABLE . ) 64. ENO 64. ENO 75. ENO 75	19. RETOR IN TOLICOS.  40. RAD

	SUBROUTINE PLANARIVALUE, UNICDE, UNITS)
	TABLE OF AUG. MERCHON FACTORS.
	INTEGER ENTRY (3, 4), UNITS (4), UNICOE
	FACTORS AME DOUBLE PRECISION.
-	
	DOUBLE PRECISION FACTORIAL
::	PUT UNIT CODES INTO ENINY.
	DATA (ERTRYII,11,11,19,14,15,14/
•	DATA ((ENTRY(1,J),[*1,2],4)/'CHoo2 ','
1	
-	
20. 0	
22. C	
	UNITS:31 - HEIGES:
	IF UNICDE.D. THEN SET CODE TO STANDARD UNITS.
	IF (UNICDE.Eq.O) UNICOE14
	SET CONVERSION FACTORS:
	DATA (FACTORIII, 1-1,41/10000.000.000,1.600,7.624900,.836100/
34.	INITIALIZE "UNITS" TO ERROR MESSAGE IN CASE CODE NOT FOUND.
35. 6	UNITS (1) STIMITS !
39.	IF CODE IS IN TABLE, PERFORM CONVERSION. ALSO. ENTER UNITS A.PHA
	CODE INTO "UNITS":
	CODE TABLE TO SELVICION TO SELV
	1F(1C0DE.NE.ENTRY(1,11) 60 TO 2
45.	IF UNICOE GE . 01 YALUE -YALUE FACTOR (1)
*7.	00 1 Jel. 2
	1
-	JAN I NO
51.	AT THIS POINT, CONVERSION IS COMPLETE,
52.	XE LURN

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1

*	UNITS(2) - ERROR - PRINT 101, ICODE 101 FORMATY: ERROR UNIT CODE: 13. ** NOT IN AREA TABLE: **) END END					
			A	-95		

	SUBRCULINE PORDERIVALUE, UNICOE, UNITS)
: -	TABLE OF POMER MEASURE CONVENSION FACTORS.
	INTEGER ENTHT(3,2), UNITS(4), UNICOE
	FACTORS ARE DOUBLE PRECISION.
	DQUBLE PRECISION FACTORIZE
	PUT UNIT CODES INTO ENTRY.
-	DATA (ENTRY(1,1),1=1,2)/59,40/
	PUT IN ALPHA UNITS.
	DATA ((ENTRY(), J) 1-2, 3), J-1, 2)/'ER65/5', 'EC. '.
20.00	ENTER INTERNAL UNITS.
22.5	UNITS(3)mATTS/. UNITS(4)
24. C	IF UNICOE OF THEM SET CODE TO STANDARD UNITS.
	IF CUNICDE. E9.01 UNICDE 60
	SET CONVERSION FACTOMS.
2	DATA (FACTOR(11)-1-1,21/1.00-7,100/
3 3 3	INITIALIZE "UNITS" TO ERROR HESSAGE IN CASE CUDE NOT FOUND.
	UNITED :: CRROR .
¥.	IF CODE IS IN TABLE, PERFORM CUNVERSION. ALSO, ENTER UNITS ALPHA
	ICODE - IAUSTUNICOE)
42.	16 1 1 1 2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2
:	IF IUNICOE. GE. OI VALUE -VALUE -VALU
15.	IF (UNITSELLENTRY 12.1)
1	UNIIS(2).ENTRY(3,1)
	AT THIS POINT, CONVERSION IS COMPLETE.
53.	
52. 6	
,	

55. C IF COOK NOT FGUNG. ACTURE WITH TURITY CREOK! TH' TURITY.  55. C IF COOK NOT THE COOK. 131. NOT IN PORCE TABLE.!!  51. C IF COOK NOT THE COOK. 131. NOT IN PORCE TABLE.!!  52. C IF COOK NOT THE COOK. 131. NOT IN PORCE TABLE.!!
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:	
	C TABLE OF PRESSM MEASUME CONVERSION FACTORS.
	INTEGER ENTRY(3,91,UNITS(4),UNICDE
; .	Sad Biging 344 Supray
	DOUBLE PRECISION FACTORIS)
2 :	C PUT UNIT CODES INTO ENIRT.
13.	
2	DATA (ENIRY (1.1). [-1,40,49,50,51,52,53,54,55,54)
	C PUT IN ALPHA UNITS.
17:	DATA (LENINTY !! . J.   . P. Z. J.   . P. Z. J.   . P. Z.
:	PASCAL'. S'. HICRO ', PAS
	. KG./CM.,
22.	
23.	C ENTER INTERNAL UNITS.
24.	•
75.	UNITS(3)=+K6/CH++
28.	C IF UNICOE.O. THEN SET CODE TO STAMDARD UNITS.
29.	
	IF (UNICOE.Eq.O) UNICOE51
32.	C SET CONVERSION FACTORS.
33.	
	DATA (FACTOR(1), [-1, 7)
16.	1.033224000
37.	
38.	1F C0
39.	CODE INTO 'UNITS'.
.0.	
	TOUR TABLE
	COLOS III TOMAN SILVER
	Translation of the state of the
45.	IF (UNICOE LT 0) VALUE - VALUE / FACTOR(I)
.94	00 1 3-1 2
47.	UNITS(.).ENTRY(.)+1.1)
.81	I CONTINUE
.65	
	C AT THIS POINT, CONVENSION IS CONFINED.
52.	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
53.	

N. PRESSR., PRESSR

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	· BEST AVAILABLE COPY	
55. C IF COLE NOT FOUND, RETURN WITH "UNITS ERROR" IN "UNITS". 59. C UNITS!!!	A-99	

	J.	~ -
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-	Continue
54.	•
57.	
5.00	٠
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	i.	CHECK HETHODS
100   CONTINUE   CONTINUE   CONTINUE   CONTINUE   CONTINUE   100   LONGINUE   CONTINUE	6 3 3 3	15 (MM.E4.G1 60 p4 70 L = 1.MM 15 (MTMD51L.
100 CONTINUE  100 CONTINUE  100 130 1=1,30  125 MOUSED = Q  125 MOUSED = Q  126 MOUSED = Q  127	33	RETURN 3
120 CONTINUE  125 NOUSED = 4  127	. 54	0,
125 MDUSED		100
125 MOUSED - 4  22  23  24  25  130  140  150  140  150  150  150  150  15		
10   PSUBLIJ   10	2:3	125 NOUSED .
18 (NUATS : EQ. D) BETUKN  19. C	25.	
91. C	77.	11
# # # # # # # # # # # # # # # # # # #	94.	
91. 110 PSUB(J) - PSUB(J) - 1  85. 110 PSUB(J) - FSUB(J) - 1  89. 1 - 1 - 1  89. 60 T0 110  90. 60 T0 110  91. 60 T0 120  91. 60 T0 120  92. 60 T0 T0 T0  92. 60 T0 T0  93. 60 T0 T0  94. 60 T0 T0  95. 60 T0 T0  96. 60 T0 T0  97. 60 T0 T0  98. 60 T0 T0  99. 60		IF 11 .E9: 11 50 TO 1
92.   150		J. B. NPAR
99. 60 TO 140  90. 700151  91. 60 TO 140  91. 60 TO 140  91. 60 TO 140  92. 60 TO 140  93. 60 TO 140  150 DO 45G K=1,NTHNGS  94. 95. 60 TO 140	-	IF IESUBIA
94. C 94. C 95. C 97. C		
150 00 45G K=1,NTHNGS  CHECK FON FARANETERS  C		
C CHECK FON PANAMETERS  C LOUP FOR PANAMETERS  C DO 290 J-1.NPAR  C IF (IPAR(2.J) .NE. THNGS[1,K]) G  C JJ = PSUB(J)-9  IF (RINNGS[2,K) .Eq9999999, IF (RINNGS[2,K)) G  ZUU IF (RINNGS[2,K) .Eq9999999, IF (RANGS[3,K)) G  ZUU IF (RINNGS[3,K) .Eq9999999, IF (PAR(JJ,J)) .Ef. ATHNGS[3,K)	2.5	00 15G K-1,NTHN
C LOUP FOR PARAMETERS C DO 290 Jelinpar C IF (IPAR(2.J) .NE. THNGS(1.K) .6 C JJ = PSUB(J).1	96.	) JAC
C DO 290 JELINPAR C IF (IPARIZED) .NE. THNGS[1,K]) G C JJ = PSUBLJI-4 IF (RIHNGS[2,K] .Eq9999999, ] IF (RIHNGS[2,K] .Eq9999999, ] IF (RIHNGS[3,K] .Eq9999999, ] IF (RIHNGS[3,K] .Eq9999999, ]	96	IF SHRAN 169: 0
C		4007
15 (1PAR(2.J) .NE. THNGS(1,K)) 6  15 (RTHNGS(2,K) .Eq9999999, 1  16 (PAR(JJ,J) .Lf. ATHNGS(2,K)  200 16 (RTHNGS(3,K) .Eq9999999, 1	107	1-7 062 00
1 (RINGS(2,K) .Eq9999999,1 1 (PAK(JJ,J) .Lf. ATHGS(2,K) . 200     (RINGS(3,K) .Eq9999999,1)   (PAR(JJ,J) .Eq9999999,1)		IF LIPARIZ
203 IF (RTHUGS13,K	2000	IF IRTHMGSIZ,K) .Eg9999994,1
		200 IF (RTHM6513,K

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CHECK ALTHODS	IF IND.EU.C. 60 TU 293	SIL.	CO_TINUE	HETHOOS DIO NOT MATCH	- 1	CONTINUE		LOOP FOR VANIABLES	DO 400 JEL NYAR			IF (RTHNGS12.K) . LQ9999999, ) GO TO JSO	;	IF (KTHNGS(3,K) .EQ9999999.1 GO TO 340	IF (VALPNGII, J. I) . GT. ATHNGS(3,KI) 60 TO 500	CHECK METHODS	10 01 02 10 03 mm 31	000 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	THO	CONTINUE	METHODS DID NOT MATCH	00 10 500			CONTINUE		INCREMENT COUNTER	1 + QSCOW = CISCUON			CONTINUE	(NOUSED SEGOR 3			
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. 86.4	MAYDIR. AAYHI. GAAYFKD. SEASTA. ANDOIR. ANDVEL. SMLDIR. Smlht. Salfkd. aeathr. Gotdfii. Binslp
-	DIMENSION ICONITION: 1 PAR (30.30), IVERNG(2,30,50)
EQUIVALENCE	LENCE (CON(1,1), (CON(1,1)), (PAR(1,1), IPAR(1,1)), [VALRNG(1,1,1), I'L RNG(1,1,1), (AEQUIY, ACPARS), (EEGUIY, ENPARS)
REAL C	COH, PAK, DATA, YALRNG
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	DIMENSION 10711(56), DISK(7), ASTATS(2), ESTATS(2)
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2	INIT. UNIT 13 SO WE CAN USE SETADR WITH NIRAN

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C READ RETRIEVAL DA C READ RETRIEVAL DA C Z CALL INPUT (FIRST) FIRST ".FALSE. C CALL STORE C CALL STORE C DO 31 1" I.NACPT ACPST(1) " G DO 32 1 " I.NACPT ENPEST(1) " G DO 33 1 " I.NACPT ACPST(1) " G DO 33 1 " I.NACDT ACPST(1) " G DO 33 1 " I.NACDT ACPT(1) " G DO 33 1 " I.NACDT ACPT(1) " G DO 33 1 " I.NACDT
C 20 PNXTE = 262145 0 C C READ RETRIEVAL DA C C READ RETRIEVAL DA C CALL INPUT (FIRST)  C 26 CALL INPUT (FIRST)  FIRST = .FALSE.  C CALL STORE  C DO 31 T = 1,NACPT  ACPTISIS — 0  ACPTI
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26 FORMAT (11,130,"NAVD 177",142,4x,21AZ,FFT), 18 GLOF /) C 20 PNXTE = 262145 G C 26 CALL INPUT (FIRST) FIRST = .FALSE. C CALL STORE C CALL STORE C DO 31 T = 1,NACPT ACPDST(1) = G DO 32 I = 1,NACPT ENPEST(1) = G DO 33 I = 1,NACPT ACPT(1) = G DO 33 I = 1,NACPT
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7
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1

	MCONTE = 6
. 9	
117.	IF (ANY.EM.) GO TO 55
113.	
121.	IF INACEAR : E9: 01 60 10 10
122.	C 00 35 [-1. NACPAR
124.	ICOD = 1ABSIACPARSII.II - II
120.	
127.	120b - 1 ABS11C00 -341
130.	IF (ICOD .LT. 34) GO TO 30
132.	28 FORMAT (* ILLEGAL ACOUSTIC CODE", 110)
	30 Ft 01 Con . ASTATE (18 (18 )
135.	35 CONTINUE
	C TOTAL STATE OF THE CONTRACT
.38.	ESTATS(2) =0
	IF (HEMPAR .E.g. 0) GO TO 55
142.	DO 50 1-1, NENPAR
143.	1000 - 1ABSIENPARSIIIII -1011
	1 Sub 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
146.	
147.	1690 - 146511690 - 361
1.6	16 11500 111 10 10 10 15
153.	WRITE (6,43) EMPARSIL!!
152.	GO TO 26
153.	45 FLD(ICOD, ILESTATS(ISUB)) - 1
155.	DO CONTINUE
156.	55 CALL NTRANIII, 101
158.	CALL MERANCII, 1, 422, MLAT, L)
157.	MTRAN(11,22)
.69.	:
191:	ca of op 10 10 10 10 10 10 10 10 10 10 10 10 10
. 63.	C BRITE ENNOR
	0
165.	60 FORMAT (" ENROR BRITING /HETMEY/ TO TEMP FILE", 1101
167.	\$101
164.	

159. CALL DSKRED (SECADR) 173. CALL DSKRED (SECADR) 173. CALL DSKRED (SECADR) 174. CALL UNPKKP (DATA 175. CALL UNPKKP (DATA 177. CALL AREA. D 178. CALL AREA. D 179. CALL AREACK (MLAT 180. CALL STATCK (ASTATA 180. CALL STATCK (ASTATA 180. CALL STATCK (ESTATA 180. CALL STA		
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226.	
129.	BY CALL
	CALL DATECKICE IDAT, CEF
233.	
231.	BE CALL STATCHESTATESED)
232.	
234.	C CONTINUE ON
235.	-
236.	001 01 09
234.	90 IF IPNATC .EQ. DI GO TO 70 D FINISHED WITH CHUISE LEVEL
239.	
240.	60 10 85
242	
243.	
244.	100 PHATAS . PACS
246.	C CHECK FOR ENVIRONMENTAL ONLY
247;	
248.	IF (DATYPE. £4.0) GO TO 105
244	PNJ INSERTING
251.	ASTA 15.0 - C - C - C - C - C - C - C - C - C -
252.	NACOCRAFIC
253.	NACPAR
254.	
254	
257.	11001123
•	00 101 5 - 1 100
259,	# # # # # # # # # # # # # # # # # # #
77.	OI CONTINUE
262.	00 102 1-1-4
263.	00 101 700
264.	102 ACPARS
266.	81 . FL
267.	PLDITIB. 18 NSECT P FLOID
264.	TEMP . PNXTAS
273.	CALL DEWED (SECADE NSECTIBER)
271.	
272.	C CUMPACK IT
274.	CALL ACTION (1858. TVPE)
275.	
276.	IF ISANO.NE.STA.AND.STA.NE99999999 GO TO 110
278.	IT TAN FEW TO THE TAN ON SALL AT SALL DAS SAFE AT SALE DAS SALL DAS SAFE AT SALE DAS SALL DAS
277.	CALL DATECK (SAIDAT, SAFDAT, 0, 0, \$11.0)
280.	CALL STATCH, ASTATS, SASTAT, \$1101
261.	5

283.	
284.	
285.	071 01 05
287.	110 IF (PNXTAS .NE. 6) 60 TO 105 B NEAD WENT ACOUSTIC STATION
289.	00 10 96
290.	120 PNEXTS = PNATAS
292.	
	3 - 9713
295.	
296.	CHECK IF ACOUSTIC OR ENVIRONMENTAL ONLY
298.	IF (RUNTYP. WE. 3) 60 TO 155
299.	
30%	100000000000000000000000000000000000000
362.	FLD(18, 18, NSEC) • FLD(18, 10, PKNYS)
303.	TEMP . PENVS
	3
305.	CALL DSKRED ISECADRINS
367.	C UNPACK IT
309.	CALL ASUMPK (1868,TYPE)
310.	
::	IF (ANY, EQ. 3) 60 TO (35
313.	60 TO 135
314.	J
315.	ISO PNYTAS - PHENTS
117	-
	C REMIND 12 & INIT & ENV RUNS COUNTER
320.	135 CALL NTRAN (12,10)
321.	EFLAG = 0
322.	1 s 1 l
323.	C THILLIAN TO TEMPORARY ENV. COUNTERS
126.	
326.	
327.	
328.	00 134   - 1 NEMPT
329.	THPOSTILL
334.	134 THPFT(1) • G
332.	C LOUP TO EXAMINE RUNS
133.	
334.	DO 150 I-1;SANRUN
336.	OPTR - IPTR
137.	-

140.	
	CALL MANGE INEMPARS, SISO, NEMINDS, ENTINDS, ER QUIVI
343.	CALL STATER (ESTATS, MSEAT)
344.	
315.	C CHECK ENY: MODES
347	*
348.	136 Jelanemock
349.	4
350.	TINUE
351.	051 01 05
.755	00
154.	IF (5Ex (1) Eq. (0) 142
355.	14LAS. FU. SEX (J.) 60 1
356.	II INUE
357.	051 71 75
354.	,
13%	WALLE PAIN TO IZ
361.	142 10111111
362.	
363.	01101
364.	
365.	05.13L 50 193
366.	101111101
367.	TAT CONTINUE
368.	CALL MID A. C. C. L. MACHINE CO.
370.	CALL WIRAN (12.22)
371.	1f (L . 6.0 ; t) 40 TO 17
372.	
37.4	THE PROPERTY OF THE PROPERTY O
375.	
376.	144 FORMAT (* ERROR MRITE TO 121,116)
37.6	3018
379.	
300.	C INCREMENT COUNTER
382.	147 EFLAG • EFLAG •1
367	3
305.	יאלטו ישבטראו ב ואלטו ישבטראו ב
186.	IF INCON.Eq.01 GO TO 1470
307.	WOON I TOOK TOO
388.	
30.3	1430 IF AMPLICED A 1400
391.	
192.	INDEA . IPARES.J ICC
393.	THPPT (INDEX) - TMPPT (INDEX) . 1
184.	
300	140 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

347.	INDEX - IVANIL.31 - ICE
396.	TAPELLINDEN) - TAPELNI - TAPELNI - LOUSEN
.00	
.10	150 CONTINUE
402.	CHECK FOR MONE FOUND
405.	IF LEFLAG .EQ. 01 GO TO 150 & GU GET MENT ACOUSTIC STATION
	C PEAD BACK IN ACOUSTIC RUN
100.	FLD(18.18.SECADR) . FLD
.69.	
-310	1
	TOTAL DESCRIPTION OF THE PROPERTY OF THE PROPE
-	
	C UNITACK IT
415.	-
	TARK ASUMIN LIGHTINE
	C SET COUNTER AND BUFFER POINTER
.614	
423.	155 AFLAG . C
-	
-53:	C INIT FOR THIS STATION OUTPUT TO II
124	1
424	FORTICE CENT
427.	
128.	•
429.	2000
	Cool for Processing Accessing Accessing
132.	DO 170 1-1,5ANRUM
133.	
-	SET OLD FIR - NEB
436.	OPTR - FOTR
137.	
438.	C CMPACK RUN
	לי ייינול ייינול ופנינונייי
443.	CALL RANGE INACPARACONANTHO SATHOS, ARQUIVI
	IF (ANY.Eg.0) GO TO 161
445.	TIAL TAX COLON OF SHIP
44.7	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	CHILONARF
449.	AREACK INLATORLON.
450.	CALL DATECKIRIDAY, REDAY, RITIM, RETIM, 8170)
451.	CALL STATCK (ASTATS, MSTAT) SIVE)
154.	

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	The Charles of the Control of the Co
	DV IACOMEST PERCENT OF TO 15A
458	
459.	
.09.	Teamperature at Subject Section 2
462.	
**	154 IF (PATYPE-EG-11 60 TO 141
464.	
.594	C CHECK SOURCE TYPE
166.	
467	S.
468.	
	JON I NOT / CO
477	37 3. 0.00
173	34K 37 37 37 37 37 37 37 37 37 37 37 37 37
474.	
475.	31 85
476.	DC 163 J . I.NRITPE
477.	IF INTYPE(1)-EN-RCRIPP) 60 TO 164
478.	
479.	321 01 09
180.	
*82.	יייייי ייייייייייייייייייייייייייייייי
	OT OF US. T. S. T. S. V. SI
	12 12 12 12 12 12 12 12 12 12 12 12 12 1
	IF (555T1_1)-Eq-575SRC) GO TO 166
. 486.	
1	0.1 0.1 0.5
	STATE OF THE STATE
	91 84
492.	OO 171 I WESTST
193.	
464.	TINUE
495.	921 61 95
496.	
161	C CHECK FOR SECURITY
	00
	10
501.	: 5
502.	
563.	
. 1.05	
50.5.	164 10111651 a OPTR
906	
507.	-
208	1015AM • (40.1)11101
264.	TO CONTINUE

512.	CALL NTRAN 111.1.56.10711.L.
513.	VTRAN (11,22)
511.	IF 1L .Fq. 54) 60 TO 145
515.	GRITE.
516.	TOTAL TOTAL ACCOUNT ACCOUNT OF THE TOTAL T
518.	and a second
519.	C INCREMENT ACOUSTIC ON ENV. UNLY COUNTER
520.	
521.	105 AFLAG - AFLAG -1
523.	C INCREMENT DESCRIPTON AND PARAMETER TABLE COUNTERS
524.	
525.	C BRANCH IF ENV. ONLY
527.	IF (DATYPE.EG.1) 60 TO 1750
528.	ACDTIDESCRI - ACDTIDESCRI + 1
536.	
532.	DO 104 00 00 10 10 10 10 10 10 10 10 10 10 10
533.	Ex . ICON
534.	ACP
535.	INPAR. E9.01 GO TO 16
536.	DO 1680 J = INPAR
537.	INDEX - IPAN (2.)
539.	1683 ACPSITINDEX A ACPOST INDEX + HOUSED
.06	49U IF INVAR-EQ-LI 60 TO 170
.115	
542.	AR11,31
543.	ACPTINGEN * ACPUSTINGEN * ACPUSTINGEN * NOUSED
. 545	60 TO 176
.945	
547.	C INCREMENT ENV. ONLY COUNTERS
548	1360 Funtingerel & Funtingerel + 1
.059	
.155	IF (NCON.E4.C.) GO TO 1770
552.	
553.	INDEX - 100N11,31 - 100
554.	1760 ENPTINDEX) - ENPTINDEX) - 1
255	
557	INDEX - LAKE A LEG
558.	ENPT(INDEX) . ENPT(INDEX) . 1
.655	ENPOST (INDEX) . ENPOST
.095	1796 IF (NYAR.EQ.D) GO TO 170
.195	00 1795 J # 1.NVAR
205.	2
564.	1705 EMPEST - EMPEST INDEX + NOUSED
565.	3
566.	120 CONTINUE

569.	CHECK FUN NO ACOUSTIC MUNS FOUND
573.	
571:	S 15 14646 : 14: 61 60 TU 110
577:	INCREMENT ENV: COUNTERS FRUE TEMPORABL COUNTERS
	11 co 10 at a a a a a a a a a a a a a a a a a a
576	1
577.	152
578.	CO 1697 J . 1, NEMPT
579	CAPILL TAPPILL
501.	officerum - ifficerum its
502.	C REWIND 12
584	TOTAL THE MONTH OF THE PROPERTY OF THE PROPERT
585.	
586.	C CHECK EFLAG
588.	IF (LFLAG . tu. 0) 60 TO 190
587.	
591.	C COOP TO MOVE ENV NON POINTERS TO 11
592.	00 18C 1-1, EFLAG
594.	C READ FROM 12
595.	CALL NTRAN (12.2.54.10f) (1)
597.	
. 968	IF IL .Eq. 541 60 TO 174
630.	The state of the s
.104	C mkite 10.11
662.	
603	174 CALL MERIN (11.1.156.1971) I.L.
605.	0.01 0.00 195 195 195 195 195 195 195 195 195 195
. 909	KRITE 16,1751 L.1.EFLAG
607.	125 FORMAT ("ERROR IN ENV HRITE TO 11", 2110)"
. 608	S10p
610.	180 CONTINUE
612.	3
	190 NCONTA - NCONTA
	NCONIE .
616	
617.	
	CHECK FOR ENVIRONMENTAL ONLY
620.	260 IF (DATYPE . Eq. 3) 60 TO 203
621.	TEMP-NCONTA
622.	ACOHTA-NCONTE

	THE ACT OF THE PERSON OF THE P	The second state of the se			The latest and the la	The second secon			the same of the sa		The second secon	Z.		The second secon	The second secon	C		1771111111						the second secon			THE REPORT OF THE PARTY OF THE	The state of the s					The Control of the Co			The second secon	the contraction of the contract of the contrac		4
2C3 WRITE 14,2G1) NCONTA,NCUNTE 201 FORMAT 1/7.CTHERE ANE: 15. ACOUSTIC RUNIS! 1/179. AND 115. ENVI	** PROMMENTAL RUNIS) WHICH MEET	C UPDATE CUMON RETHEY ON DISK	CALL MTDAN (11.10)	PPINS & NCONTA + NCONTE	CALL MTRAN (11,1,422,NLAT,L)	IF (L. s.fo. 422) 60 TO 204	"RITE (6,331) L	331 FORMAT (" EMROR BRITING NETRS TO 11", 110)	STOR	C DISPLAT NENU OPTIONS		C IF SUMMARY DATA LISTING APPLIC. NUMBER IS CHANGED. CALL SHORT STATEMENT IN	ã	LISTFTRUE.	213 #RITE (6,205)			PRINT THE WOTEST	COMPLETE DATA	~	1 12 THE STATE STATES THE PROPERTY STATES OF THE STATES OF		B . ACOUSTIC PARAMETER INVENTORY SATISFYING SELECTION'	•	. 10 - SINGLE UNIT CONVERSIONS",	. 11 - EXECUTE USER	C READ IMPUT		208 MAILE (6,209)	TO STORY OF THE APPLICATION	262 READ (5,211,END=208,ERH=210) (CHAR(I),I=1,80)	FORMAT (89A1)		CALL FORES CHARLEDGO APPL NATIONS 1 . 42101	IF INWORDS-12-21 GO TO 210			15 (4.50.10.1 GO TO 340	00 00 00 00 00 00
627.	.629.	630.	632.	,34.	635.	636.	638.	639.		642.	643.		. 46.	647.	.019	450.	.159	652.	654.		456.	11			662.	663.	665.	666.			671.	672.	673.	476	676.	\$77.	678.	679.	

2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
22C (RITE 16.221) APPL 22C (RITE 16.221) ARTE (RITE 16		CANON ON MEAD
220 (A116 (6,221) APPL 220 (A116 (6,221) APPL 221 (A08441 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$84.	
22C (ALL LAPL, LE. 9. 98. APPL 22C (ALL LAPL, LE. 9. 98. 120. 120. 120. 120. 120. 120. 120. 120		LR111 (6,215)
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221 198847 1 208 25G 11 1APPL-LE-U-UN-APPL-GT- 25G 11 208 1 209 2 G 10 209 2 G		(RITE 16.221)
25G 11 (APPL.LE. U. W. APPL. 61. 25G 10 (16, 26C, 290, 360, 300, 300 26G 10 (16, 26C, 290, 360, 300, 300 26G 10 20B 29G CALL INVNIT 29G CALL DATES PROGRAM 29G CALL DATES PROGRAM 29G CALL DATES (APPL.CHAR.R 32G CALL CVIPRO 29G CALL CVIPRO 20G 10 20B 20G		+ ORMAT (
25G 11 1APPL 16 19 20 20 20 20 20 20 20 20 20 20 20 20 20		60 TO 20A
25G 11 (APPL.LE.G. UN.APPL.GT.  28G (ALL INVNIT 60 10 20B  29G (ALL OATES PROGRAM  29G (ALL OATES I (APPLICHARIR  39G (ALL CVPRO  29G (ALL CVPRO  29G (ALL OATES I (APPLICHARIR  29G (ALL CVPRO  29G (ALL CVP		
25G 11 1APPL 16 19.200.20130.30 28G CALL 1144117 28G CALL 1144117 29G CALL NOTE FROGRAM  C ALL NOTE FROGRAM  C ALL NOTE FROGRAM  C ALL DATES FROGRAM  C LIST PRUGRAM  C LIST PRUGRAM  20G CALL DATES TRUGRAM  C LIST PRUGRAM  C LIST PRUGRAM  20G CALL DATES (APPLICHARIR  30G CALL DATES (APPLICHARIR  C LIST PRUGRAM  C LIST PRUGRAM  20G TO 20G  C LIST PRUGRAM  20G TO 20G  C ALL DATES (APPLICHARIR  C ACOUSTIC DESCRIPTOR  C ALL DESCTB (ACOT, NACOT, NAC	-	The second secon
28G CALL LINNIT PROGRAM 28G CALL LINNIT PROGRAM 29G CALL DATES PROGRAM 29G CALL DATES PROGRAM 32G CALL DATES PROGRAM 500 CALL DATES PROGRAM 500 CALL DATES PROGRAM 500 CALL DATES PROGRAM 500 TO 208 500 CALL DATES CARENSION 500 CALL DATES PROGRAM 500 TO 208 500 TO 2		
280 (ALL INVNIT 280 (ALL INVNIT 60 10 20B 290 (ALL NOTE (DATA) 290 (ALL NOTE (DATA) 300 (ALL NOTE (ALL) 300 (ALL CVIPRO 300 (ALL CVIPR		1
280 CALL INVNIT 280 CALL INVNIT 290 CALL NOTE S PROGRAM 290 CALL NOTE (DATA) 290 CALL DATEST PROGRAM 320 CALL CVPRO 520 CALL C		
28G CALL LINNTT  28G CALL LINNTT  29G CALL NOTE (DATA)  29G CALL NOTE (DATA)  29G CALL NOTE (DATA)  32G CALL DATEST PRUGRAN  60 T0 208		
28G CALL HWHIT 60 10 20 6 10 2	694.	
280 CALL LINVNIT  C	697.	INVENTORY PROGRAM
280 CALL INVNIT  C	696.	
29G CALL NOTE (DATA) 29G CALL NOTE (DATA) 29G CALL NOTE (DATA) 30G CALL DATEST (APPLICHARIR 30G MRTTE (4,332) 310G MRTTE (4,355) 310G MRTTE (4		
29G CALL NOTE (DATA) 29G CALL NOTE (DATA) 30G CALL DATES! (APPLICHARIR 30G CALL CVIPRO 50G TO 20G 60 TO 20G 60 TO 20G 60 TO 20G 60 TO 20G 70 MRITE (4,333) 510P 60 TO 20G 70 MRITE (4,333) 510P 60 TO 20G 70 MRITE (4,335) 70 MRITE (4,355)		
29G CALL NOTE (DATA) 29G CALL NOTE (DATA) 20G CALL DATEST PRUGRAM 20G GO TO 20G 52G CALL CVPRO 52G CALL CVPRO 52G CALL CVPRO 53G CALL CVPRO 6G TO 20G CALL CVPR		
29G CALL NOTE (DATA)  C LIST PRUGRAM  SOD CALL DATEST (APPLICHARIR  SOD CALL CVIPRO  C UNIT CONVENSION  C EXECUTE USEN PGM  C EXECUTE USEN PGM  STOP  STOP  STOP  C ACOUSTIC DESCRIPTOR  C ACOUSTIC DESCRIPTOR  C ACOUSTIC DESCRIPTOR  C CALL DESCTB (ACOT, NACOT,  CALL DESCTB (ACOT, NACOT,  CALL DESCTB (ACOT, NACOT)		
290 CALL NOTE (DATA)  C		
200 CALL DATEST (APPLICHARIN  200 CALL CATEST (APPLICHARIN  220 CALL CYPRO  520 CALL CYPRO  520 MAITE (4,332)  530 MAITE (4,332)  530 MAITE (4,341)  540 MAITE (4,341)  540 MAITE (4,341)  540 MAITE (4,341)  550 MAITE (4,341)  560 MAITE (4,355)		CALL NOTE
200 CALL DATEST TAPEGRAM  200 CALL DATEST TAPELICHARIR  200 CALL CVIPRO  520 CALL CVIPRO  60 10 208  510P  510P  510P  510P  6 ACOUSTIC DESCRIPTOR  6 ACOUSTIC D		10 300
200 CALL DATUST (APPLICHARING GO TO 208  C UNIT CONVENSION  320 CALL CVIPRO  60 TO 208  C EXECUTE USEN PGM  5108  5108  C EXECUTE USEN PGM  C EXECUTE USEN PGM  5108  C EXECUTE USEN PGM  C EXECUTE USEN PGM  5108  C EXECUTE USEN PGM  C EXECUTE USEN PGM  5108  C EXECUTE USEN PGM  C ACOUSTIC DESCRIPTOR  C ACOUSTI		-
200 CALL DATEST (APPLICHARIN 500 CALL CVIPRO 520 CALL CVIPRO 60 TO 209 C EXECUTE USEN PGN 530 MR17E (4,333) 510P		
200 CALL DATEST (APPLICHARIR GO TO 208  C UNIT CONVENSION  C EXECUTE USEN PGM  C EXECUTE USEN PGM  C EXECUTE USEN PGM  C EXECUTE USEN PGM  STOP  C EXECUTE USEN PGM  C EXECUTE USEN PGM  STOP  C ACOUSTIC DESCRIPTOR  C ACOUSTIC DESC	-	
200 CALL DATEST (AFFLICHARIN 520 CALL CYPRO 60 TO 206 520 CALL CYPRO 60 TO 206 533 FORMAT (120, ENTER PAPE 510P 5		
C UNIT CONVENSION  C EAECUTE USEN PGM  S10 MKITE (6.1311)  S10 MKITE (6.1311)  C DONE  C DONE  C ACOUSTIC DESCRIPTOR  C ACOUSTIC DESCRIPTOR  C ACOUSTIC DESCRIPTOR  C ACOUSTIC DESCRIPTOR  C CACOUSTIC DESCRIPTOR  C CALL DESCRI	-	CALL DATEST (APPLICHARIN
20 CALL CVIPRO  520 CALL CVIPRO  60 10 206  531 FORMAT (120, ENTER BAGT  510 F C C C C C C C C C C C C C C C C C C		
C CALL CVIPRO  GO TO 209  C EXECUTE USEN PGN  530 MRITE (6,333)  510P  C DONE  C ACOUSTIC DESCRIPTON  C ACOUSTIC D		
220 CALL CYTPRO 60 10 206 C EXECUTE USEN PGM 230 MRITE (6,332) 233 FORMAT (120, ENTER PAGE C 200 R 210P 210P 210P 210P 210P 210P 210P 210P		
320 CALL CVIPRO  C	-	- ;
C EXECUTE USEN PGM C 330 MRITE (6.1332) 333 FORMAT (120. ENTER BAQT C DONE C DONE C ACOUSTIC DESCRIPTOR C ACOU		320 CALL CYTPRO
230 MKITE (4.333) 230 MKITE (4.333) 230 MKITE (4.333) 210P C 2100 MRITE (4.341) 250 MRITE (4.355) 250 MRITE (4.355) 250 MRITE (4.355) CALL DESCIP IACUT, NACOT, NACOT, CALL DESCIP IACUT, NACOT,		
230 MRITE (6,333) 233 FORMAT (120. ENTER DAGT  210P  2		
239 MRITE (61332) 233 FORHAT (T20. 'ENTER BAGT 210P 210P 210P 210P 210P 210P 210P 210P	-	
330 MRITE (6,333)  510P  510P  510P  510P  6 ACOUSTIC DESCRIPTON  510P  6 ACOUSTIC DESCRIPTON  550 MRITE (6,355)  550 MRITE (6,355)  6 ACOUSTIC DESCRIPTON  6 ACOUSTIC DESCR		
333 FORMAT (120. ENTER BAGT  519P  519P  540 MR 11E 16.341.)  540 MR 11E 16.341.)  550 MR 11E 14.358.)  550 MR 11E 14.358.)  551 MR 11E 14.358.)  552 MR 11E 14.358.)  554 CALL DESCIB 1ACUT, NACOT.	719.	- 1
210P C	726.	•
240 AR 11E (41341) 340 AR 11E (41341) 510 C ACOUSTIC DESCRIPTOR C	721.	
310 4811E (61341) 310 4811E (61341) 5108 AL		
340 MRITE (4,341) 341 FORMAT (F)4, NAVOAB RETR 510E C		
347 FORMAT (F14, NAVOAB RETR 510P C	-	
34) FORMAT (114, NAVONE RETR 5106 55 ACOUSTIC DESCRIPTOR 55 WRITE(4, 355) 1 10N // (111, ACOUSTIC DE 1 10N // CALL DESCTE (ACDT, NACDT,		340 ARITE (6,341)
350 WRITE(& 356) 350 WRITE(& 356) 355 FORMAT ('11', ACOUSTIC DE 1'0N') CALL DESCTB (ACOT, NACOT, 60 TO 208	126.	341 FORMAT TITE, WAYDAB RETRIEVAL SYSTEM SESSION COMPLETET
350 WRITE(4,355) 350 WRITE(4,355) 355 FORMAT (117,ACOUSTIC DE 1,000 /) CALL DESCIB (ACOT,NACOT,	127.	4015
350 WRITE (4,355) 355 FORMAT (1,1,4,4,0,0,571,0 DE 1,0 M / 1,1 1,4,4,0,0,571,0 DE 1,0 M / 1,1 1,4,4,0,5,1 1,0 M / 1,1 1,4,4,4,1 1,4,4,4,4		-
350 WRITE (4,355) 355 FORMAT (11, ACOUSTIC DE (ALL DESCTB (ACOT, NACOT, OCOT, NACOT, N		ACTURETTE OF SCRIPTON
350 WRITE (4,355) 355 FORMAT (11, ACOUSTIC DE CALL DESCTB (ACDT, NACDT, NAC	730.	-1
155 FORHAT (117, ACOUSTIC DE 1001/) CALL DESCTB (ACOT, NACOT, 60 TO 208		
CALL DESCIB (ACDT, NACDT, CALL DESCIB	-	FORMIT TOTAL STORETTE DE
1173		
1 09		Table Park Contract
1 09	.11.	CALL DESCTO INCOLOR
,	735.	60 TO 20B
,	737. (	C EHVIRONHENTAL DESCRIPTOR TABLE

TO THE PROPERTY OF THE PROPERT

A-119

THE PROPERTY OF TAXABLE OF THE RUNS HE	AEGUINENENIS. THIS IS TOENTICAL TO THE LONG LISTING EXCEPT THE RANGE	THE VARIABLES ARE PRINTED INSTEAD OF THE ACTUAL VALUES. LONG KUN LISTING		INFLICIT INIEGEN (A-C.)	DIMENSION INCREGATION ON THE CALL	CONHON /CPV /NCON, CON(4, 30), NFAN, PAR(30, 30), NVA	NOATS, NHONS (50), NDATA, VAL NNG (2, 30.5U), DATA (3,000)	SALES ACADEMIC SALES DESCRIPTIONS	באווין שניסואל ימי איין איין איין איין איין איין איין	1F (DATYPE.NE.3) GO TO 10	FORMAT (/125, MINIMUM MAXIMUM., TAD, "ACOUSTIC")	07 01 09	BRITE (6,151	FORHAT (/125, "NININUM MALIMUM", TSG, 'ENVIRONMENTAL"	WRITE (6,30)	FORMAT 1115, "NAME", 126, "VALUE", 137, "VALUE", 148, "UNITS", 161,		LOUP THROUGH VANIABLES FOR DATA SET NRS		00 50 1 . I.NVAR	CALL NAMGET ( 1 YAR ( 1 , 1 ) , NAME )	VALMIN . VALRNGII.I.NRS.	VALMAX - VALRNGIZII NRS)	CALL CHECK (VALMIN, IVANII, I), UNIIS)	CALL CHECK IVALMAK, IVANII, III UNITSI	BRITE (6,40) (NAME (3).Jal. 2), VALMIN, VALMAX, UNITS(1)	11VAK13111	FORMAT 17,1,246,612.5, 735,611.5, 747,246,2%,14)	CONTINUE	CONTINUE MAINTE (4,4,2)
		- 0	J					3		,	5		01	15	53	30	,	0	,						-			40	50	05

SFUM, SR N. SHORF .. SHORF

1 CONTINUE  ( AT THIS POINT, CONVERSION IS COMPLETE,  C RETURN  2 CONTINUE  ( IF CODE NOT FOUND, RETURN #17H *UNITS ERROR* IN *UNITS**	AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN #17H "UNITS ERROR" IN	AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN 417H "UNITS ERROR" IN	AT THIS POINT, CONVERSION IS COMPLETE,  RETURN  2 CONTINUE  IF CODE NOT FOUND, RETURN #17H *UNITS ERROR* IN
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AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN ATTH "UNITS ERROR" IN	AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN	AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN WITH "UNITS ERROR" IN	AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN ATTH "UNITS ERROR" IN
AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN #1TH *UNITS ERROR* IN	AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN #17H "UNITS ERROR" IN	AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN	AT THIS POINT, CONVERSION IS COMPLETE, RETURN 2 CONTINUE IF CODE NOT FOUND, RETURN #1TH *UNITS ERROR* IN
AT THIS POINT, CONVERSION IS COMPLETE, AETURN 2 CONTINUE IF CODE NOT FOUND, RETURN AITH *UNITS ERROR* IN	AT THIS POINT, CONVERSION IS COMPLETE, AETURN 2 CONTINUE IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN	AT THIS POINT, CONVERSION IS COMPLETE, AETURN 2 CONTINUE IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN	AT THIS POINT, CONVERSION IS COMPLETE, AETURN 2 CONTINUE IF CODE NOT FOUND, RETURN AITH *UNITS ERROR* IN
2 CONTINUE IF CODE NOT FOUND, HETUMN #1TH *UNITS ERROR* IN	2 CONTINUE IF CODE NOT FOUND, HETURN MITH "UNITS ERROR" IN	2 CONTINUE IF CODE NOT FOUND, RETURN WITH "UNITS ERROR" IN	2 CONTINUE IF CODE NOT FOUND, HETUMN #1TH *UNITS ERROR* IN
2 CONTINUE IF CODE NOT FOUND, RETURN #1TH *UNITS ERROR* IN	2 CONTINUE IF CODE NOT FOUND, RETURN WITH "UNITS ERROR" IN	2 CONTINUE IF CODE NOT FOUND, RETURN WITH "UNITS ERROR" IN	2 CONTINUE IF CODE NOT FOUND, RETURN #1TH *UNITS ERROR* IN
2 CONTINUE IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN	2 CONTINUE IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN	2 CONTINUE IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN	2 CONTINUE IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN
IF CODE NOT FOUND, METURN MITH "UNITS ERROR" IN	IF CODE NOT FOUND, METURN MITH "UNITS ERROR" IN	IF CODE NOT FOUND, HETURN MITH "UNITS ERROR" IN	IF CODE NOT FOUND, METURN MITH "UNITS ERROR" IN
IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN	IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN	IF CODE NOT FOUND, RETURN ALTH "UNITS ERROR" IN	IF CODE NOT FOUND, RETURN AITH "UNITS ERROR" IN
IF CODE NOT FOUND, HETUNN WITH "UNITS ERROR" IN	IF CODE NOT FOUND, HETURN WITH "UNITS ERROR" IN	IF CODE NOT FOUND, HETURN WITH "UNITS ERROR" IN	IF CODE NOT FOUND, HETUNN WITH "UNITS ERROR" IN
IF CODE NOT FOUND, HETURN WITH "UNITS ERROR" IN	IF CODE NOT FOUND, RETURN WITH "UNITS ERROR" IN	IF CODE NOT FOUND, METURN MITH "UNITS ERROR" IN	IF CODE NOT FOUND, HETURN WITH "UNITS ERROR" IN
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A STATE OF THE PERSON NAMED IN COLUMN 1 AND THE PERSON NAMED IN CO			The state of the s
THE PARTY NAMED IN COLUMN TWO COUNTY OF THE PARTY NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PARTY NAMED IN COLUMN TO S	THE RESERVE TO SERVE THE PROPERTY OF THE PROPE		THE PARTY NAMED IN COLUMN TWO COUNTY OF THE PARTY NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PARTY NAMED IN COLUMN TO S

INE TABLE.			
IN SHORT TIME TABLE.			
CODE 13.1 NOT			
JOO LINO-			
PRINT 191, ICODE  ULI FORMATI! ERRORUNIT C RETUAN END			
P P P P P P P P P P P P P P P P P P P			
		A-122	

SUBFOUTINE SORGETIVALUE, UNICIDED TO BOUBLE PRECISION.  C FACTORS ARE DOUBLE PRECISION.  C PUT UNIT CODES INTO ENTRY.  DATA (ENTRY(1,1), 1=1,3)/64, 65  C CODE TO UNPACK DB//1ERG/C  C TR UNICOE. RC -90, GO TO 6  UNITS(1) - '//ERG/C  C ODT TO UNFACFORS.  C ONVERSION FACTORS.  C DATA (FACTOR(1), 1=1,31/-130,3
---

W.SORGET . . SONGET

OF OR , St.

\$ C   F CODE   S   H TAUEE; PERFORM CONVERSION. ALSO, ENTER UNITS ALPHA  50. C   CODE   IND   UNITS:  50. C   CODE   IND   UNITS:  51. C   CODE   IND   UNITS:  52. C   CODE   IND   UNITS:  53.   F   UNITS:   LE   UNITS:   CONVERSION   S   CONPLETE;  54.   UNITS:   LE   UNITS:   LE   UNITS:   CONVERSION   S   CONPLETE;  55.   UNITS:   LE   UNITS:   LE   UNITS:   CONVERSION   S   CONPLETE;  56.   UNITS:   LE   UNITS:   LE   UNITS:   CONVERSION   S   CONPLETE;  57.   C   CODE   UNITS:   CONVERSION   S   UNITS:   CONPLETE;  58.   C   CODE   UNITS:   CONVERSION   S   UNITS:   CONPLETE;  59.   C   CODE   UNITS:   CONVERSION   S   UNITS:   CONPLETE;  50.   C   CODE   UNITS:   CODE	. \$5	UNITSIZE ANDA
1 CODE 1 ABS 1 CODE		
CODE = 104510   CODE = 104510   FILLODE   ME   15   10   10   10   10   10   10   10		1F C30E 15 1
C 1000E-14851U 00 2 11.3 1F (100)EE.16 1F (100)EE.16 1F (100)EE.16 1F (100)EE.16 00 11 115 12.16 C 11 12.16 C 11 12.16 C 11 13.16 C		C00E IN
C   C   C   C   C   C   C   C   C   C		
F   CODE   NE   CODE   NE   CODE   NE   CODE   NE   CODE   NE   CODE	.09	I CODE * I ABSIUNICOE )
FUNDE     FUNDE     FUNDE	. 19	00 2 1-1.3
FUNICOE.GE   FUNICOE.GE   FUNICOE.GE   ON 115121=ENI   ON 115121=ENI   ON 115121=ENI   ON 115121=ENI   ON 115121=ENI   ON 11021=ENI   ON 11	.29	IF (ICODE. NE. ENTRY (1, 1) 60 10 2
	63.	IF IUNICDE GE . DI VALUE "VALUE FYALUE FACTORII)
2 CONTINUE  2 CONTINUE  3 CONTINUE  C IF CODE NOT  C PRINT IGLATE  FORHATI' ERR		IF IUNICDE.LT.D. VALUE - VALUE - FACTORII)
2 CDN 1 NUE  2 CDN 1 NUE  2 CDN 1 NUE  2 CDN 1 NUE  1 D1 FORHAT (* ERR	.59	UNITSITI-ENTRY(2.1)
C   AT THIS POINT   C   ELSE, CHECK   C   C   C   C   C   C   C   C   C		UNITS(2)+ENTHY(3,1)
C   ELSE   CHECK   C   ELSE   CHECK   C   C   C   C   C   C   C   C   C	67. 6	
C ELSE CHECK C 2 CONTINUE C 1F CODE NUT C PRINT 1G1 19 101 FORHATTI ERA	-	İ
2 CDN 1 ME COME OF COM		
C ELSE, CHECK C C C C C C C C C C C C C C C C C C		
C LF CODE NOT CODE NO		
C 1F CODE NUT C PRINT 151   EAST	-	ELSE, CHECK
C IF CODE NUT C PRINT 15115 131 FORMATI' EAR		
PRINT 151 16 NOT 151 15 NOT 151 15 NOT 151 15 NOT 151 15 NOT 151 15 NOT 151 15 NOT 151 15 NOT 151 15 NOT 151 15 NOT 151 15 NOT 151 151 151 151 151 151 151 151 151 15	73:	2 CONTINUE
PRINT 1511 15 131 FORHAT (* ERR KETUAN		
PRINT 151 PRINT 151 PRINT 15 ERR		IF CODE NOT
LOI FORHATI'S ERE KETUAN	77. C	
LOI FORMATI' ERR KETURN ENG	78.	PRINT 151,10
KE TURN END	.61	FORMATI. ERR
	.08	
	. 19	ENO
	-	

2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	INTEGER ENTATION AND TOWN AND TAKED AND TAKE
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	IFILCODE: ME.ENTRY([,1]) T GO TO Z  IFILNICOE.GE.OJ VALUE-VALUE/FACTOR(!)  IFIUNICOE.GE.OJ VALUE-VALUE/FACTOR(!)  OO J1.2.
55.00	J CONTINUE  AT THIS POINT, CONVERSION IS CUMPLETE.  RETURN

UNITS(2) = EARUN | PRINT | CODE | 13, " NOT IN VELOCITY FASTE | PETURN | RETURN | END IF CODE NOT FOUND, RETURN WITH 'UNITS ERROR! IN .UNITS". 2 CONTINUE A-126

1	THIS PROGRAM STORES CUMMON/RETMEY/ INTO THE USAGE FILE (UNIT USGUNT). PARAMETER USGUNT & 14 INCLUDE RETREY, LIST IMPLICIT INTEGER 1A-2) KEAD SECTOR 1 OF USAGE FILE
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-1 1
C CAL CAL STOR	-1 1
CAL CAL CAL CAL CAL CAL CAL CAL CAL CAL	-1 1
2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
CA CA CA CA CA CA CA CA CA CA CA CA CA C	SECTOR 1 OF USAGE FILE
CAL CAL 16 10 10 510 8	
C CAL	
CAL 16 10 10 10 10 10 10	
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RAN 1USGUNT, 10.2.1, LOC. L.> TAT. 221
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AT.GT.01 GO TO 20
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
10 FOR	ERROR READING USAGE FILE
10 108 5108	
10 FOR	
910	( ENRON READING USAGE FILE - ERROR CODE., 11.,)
5	t
,	¢
,	ARITE THE RETRIEVAL REQUESTS TO THE USAGE FILE
21: 6	
50	CALL SETADR (USGUNT, LOC)
	CALL NIRAN (USGUNT, 1, 426, MLAT, LSTAT, 22)
24. IF ILSTA	A1.61.3) 60 10 50
25. 6	
24. C EKROR	ENROR WRITING TO USAGE FILE
3	
27. 4C FORMAT I	FORMAT (* *** EKNOR WRITING TO USAGE FILE - ERNOR CODE*, 14, * ***)
30. STOP ERKON	
31:	
,	BRITE NEW LOCATION SPECIFICATION
33.	
34. SC LOC - LOC - 16	
35. CALL NIR	MAN (USGUNT, 13, 1, 1, LOC, LSTAT, 22)
	IF (LSIAT.LE.0) GO 10 3G
JB.	

N. STORE . . STONE

11110

:	SUBROUTINE INFIGRIVALUE, UNICDE, UNITS)
	C TABLE OF THPTUR MEASURE CONVENSION FACTORS.
	INTEGER ENTRY(3,4),UMITS(4),UNICDE
::	C PUT UNIT CODES INTO ENTRY.
	DATA (ENTRY(1,1),101,4)/35,34,97,98/
	DATA ((ENTRY(1, J) (1=2,3), J=1,1)/(FANREN', 'HEIT ', 'OEG. C', (ELSIUS', 'KELVIN', '.
2 :	C ENTER INTERNAL DEGREE UNITS.
	UNITS(3) = DEGREE UNITS(3) = CENT
22.	C IF UNICDE-0, THEN SET CODE TO STANDARD UNITS.
24.	TF IUNICOE, EQ. 01 UNICOE - 54.
22.5	C IF CODE IS IN TABLE, PERFORM CUNVERSION. ALSO, ENTER UNITS ALPHA C CODE INTO "UNITS".
29.	ICODE I ABSTUNICOE I
32.	
34.	C IF CODE HOT FOUND, RETURN BITH "UNITS ENROR" IN "UNITS".
37.	UNITSILLECUNITS
39.	
;:	2 IF (UNICDE.GE.O) VALUE=(VALUE=32.).5./9.
42.	IF (UNICOE.LT.O) VALUE •VALUE • 9.75.+32.
	UNITS(2) = ENTRY(3, 1)
	3 UNITE(1) ENTRY(2,1)
18.	RETURN
.64	# IF CONICOE, GE.C) VALUE -VALUE - 273-15
.19	UNITS(1) ENTRY(2,1)
52.	UNITS(2) ENTRY(3,1)
	F. Trimiting C. C. Marine Continued 1 47 (at 140)

		and the second s						
		RATURE TABLE						
and the committee of the same state of the same	14./5.191.67	.113." NOT IN TEMPERATURE TABLE.")						
	IF LUNICOE.LT.3) VALUE.VALUE. UNITS(1)-ENINT(2,1) UNITS(2).ENINT(3,1)	131 FORMATIC ERHORUNIT COLE .						
And the second s	446				<b>1-130</b>			

SELT,L N.UAPKCR, .UNPKCR

SUBMULTINE UNPREPERIALITY		COMMON JERPHNIJERHO, PNATE, PCRU, EAILAN, EAIDAI, EAFLAT, LAFLON,	. EAFDAL EELAT EELLON EELDAT LEFLUN EELDAT.	. EASTAILE STATILIST EAFLS		UNPACK EXPERIMENT NUMBER.		EXNOCOTION OF THE PROPERTY OF		UMPACK ACQUITIC INITIAL AND FINAL POINT BUUNDS.		CALL UPKREAL 'EALLANEALONEALON'EALON	. EAFLAT.EAFLON, EAFDAT. D. ' . DATAIBI)		UNPACK ENVINONMENT THE AND TIME FOLIN BOUNDS.		CALL UPAKEAI " "EEILAT EEILAT EEIDAT " " "	. EFFLAT.EEFLOW.EEFDAT.Q." ",DATAL7)	[ASTATI J-DATAILI)	EASTA1(2)-DATA(12)		(ESTATITIONATALIS)	EE5141(2)-0A141)		PNXTE-DATALIS)		PCRUEDATALIE	RETURN	LIND
::	3.		1.		0:00		12. 6							19.		21. 6		23.	 25.	26.	27. 6	28.	29.	30. 6	31.	3.	17.		35.
									-		-				•				•					A		19			

H. Uh.PKAP . . UhPKAP

J. 7.136

A-132

0 0 00	0008000	
1K = NRS(1).6g.1) GO T 1K = NRS(1-1) 1G 110 1XX = 1.1K 2G 110 1XX = 1.1K 2G 11 = NRS(1) DO 140 6.5 = 1.L7 RKT = RKT + 1.L7 RKT = RKT + 1.L7 RKT = RKT + 1.L7	9 0	ALLINDAN (11,L) + 4 CK (PARIK) CK (PARIK) L) TE BEGINWING
	0 20	

A-134

111

5.00

SUBROUTINE UPKARAIPOAA: LLAT, ILU", IDAT, ITIM, I 20N, 10T) LOOP TO UNPACK INITIAL DATA FIRST, THEN FINAL DATA. GET LATITUDE SIGN BIT. ADJUST LATITUDE ACCORDINGLY. MAKE ALL VARIABLES INTEGER AND DIMENSION 10T. INITIALIZE INTERMEDIATE VARIABLES TO 0. FLD(1,5,173)\*FLD(3C,5,10T(11)) UNPACK POINT OR AREA BIT. IF (10T(1),LT.J) PORA-'A' 115-FLD(18,18,10T(1-11) UMENSION IUTICE (A-2) 516N=FLD(35.1. FOT(fT) 114-fLD(C,17,10T(1+1)) 172-FLB(18,12,107(1)) UNPACK THE LONGITUDE. UNPACK THE LATITUDE. UNPACK THE ZONE. UNPACK THE TIME. UNPACK THE DATE. 00 2 1-1,3,2 113.0 113.0 113.0 115.0 115.0 \*\*\*\*\*\*\* -111 3 4 5 6 20.

4. UPKREA .. UPKREA

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	,	GET LONGITHUSE SIGN BIT. ADJUST LONGITUDE ACCONDINGLY.
	,	
		15 15 16N 51 C. 15 - 175
	)	
	3	IF I IS NOT ILLE ARE ALMOST DOME.
.19	,	
.79		1 (1. ( ) (010 )
	,	
. + 9		F641-111
. 59		FINETY2
. 0 9		
67.		CAT-11:
.69	-	KETURN
	3	
		1 1041-111
12.		1110=112
73.		120%-113
14.		\$11-1V-1
15.		1.06.*115
10.	,	
./1	J	UNPACK THE FLAM, POINT DATA.
78.	J	
. 4.0		2 CONTINUE
en.		0.00

A. Seed.

TABLE OF VALUME NEASURE CONVERSION FACTORS.

SUBSCULLINE JOLUME LVALUE, UNICOL, UNITS!

INTEGER ENTAYIS, 41, UNITS (41, JNICUE

ACTORS ARE DOJULE PRECISION.

DOUGLE PRECISION FACTORING

FLT UNIT COUES INTO ENINT.

SATA (ENTRY(1,11,11-1,41/17,10,19,23/

PUT IN ALPHA UNITS.

2-2211022

DATA ((ENTYT(),J),1=2,J),J=1,4)/'CM+03 ','
'METEAS','+03 ','FEEToo','3
'YARDSO','+03 ',

LNTER INTERNAL UNITS

UNITSUBJOONETENS. UNITS(4) .. CU.

22:

25.

23.

IF UNICOE. 1, I TEN SET CODE TO STANDARD UNITS.

IF IUNICOE. Eu. 3) UNICOE -- 18

SET CONVERSION FACTORS.

DATA (FACTUM(11).1=1,41/1.30-6,101,2.83170-2,.764501/

IF CODE IS IN TABLE, PENFORM CONVERSION. ALSO, ENTER UNITS ALPAA C006 1MT0 .UNITS ..

1000E-1485 LUNICUE )

IF (UNICDE-GE-3) VALUE "VALUE FACTUR(!)
IF (UNICDE-LI-G) VALUE "VALUE/FACION(!) IFTICODE.NE.ENTRYTI, 111 GO TO 2

...

35.

UNITS(J) - ENTRY(J+1,1)

30 1 3-1,2

CONTINUE

AT THIS POINT, COAVEASION IS COMPLETE.

. 0 . ..

ELSE, CHECK REST OF TABLE,

CONTINUE

555.

IF CODE NOT FOUND, RETURN BITH "UNITS ERROR" IN "UNITS"

BET AMABLE 69

AMILSCOLATE COM TO THE PROPERTY OF THE PROPERT

OMBIG

(02 M)

(SMICE)

DO TIENTER IS

A-139

.L N. 1831, 18651

INTEGER FUNCTION AEST (A.B.)
INTEGER A, B

APPENDIX B

CURRENT NAVDAB STEERING GROUP

#### APPENDIX B

#### CURRENT NAVDAB STEERING GROUP

The NAVSEA Ocean Environmental Acoustic Data Bank (NAVDAB) is under the general sponsorship and direction of NAVSEA 06H1-4. NAVDAB functions as a subsidiary of the Mobile Sonar Technology (MOST) Acoustics of the Medium Committee (ACME) for NAVSEA 06H1. Dissemination of information and requests for any of the documents pertaining to NAVDAB may be obtained by sending a formal request to any of the following current NAVDAB Steering Group members. A list of official mailing addresses follows the list of Steering Group members.

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